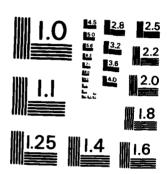
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USAFETAC DS-82/052

# DATA PROCESSING DIVISION USAFETAC

Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

PARTS A=F
FOR FROM HOURLY OBS: JAN 73 = DEC 81

POR FROM DAILY OBS: JUN 62 = DEC 81

TIME CONVERSION GMT TO LUT: +1

AUG 3 1 1982

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Observations (RUSSWO)	<u>-</u>	Final rept.
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AUTHOR/a)	,	E. CONTRACT OR GRANT NUMB (R(a)
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19. Percentage frenquency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

WEST GERMANY

GRAFENWOHR AAF, WEST GERMANY

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurance or cumulative percentage frequency of occuring tables.

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAPETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

US AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

#### HOURLY OBSERVATIONS

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#### **DAILY OBSERVATIONS**

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#### DESCRIPTION OF SUMMARIES

provide early decision to a specific entring of the data community occupant of the revised distributions of the extension of the data of presentables of the data of the data

The programme haved the following admirent pre-included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART D CEILING VERSUS VISIBILITY

Γ.

PARTC SURFACE WINDS

SKYCOVER DATA NOT AVAILABLE

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

#### STANDARD 3-HOUR GROUPS

All constructions of the following detections are disserting in earlier following corresponding to the following of the following cross product for the following detection of the following construction of the following detection of the f

#### MISSING HOUR GROUPS

omany greet, are omitted when stations maintaining limited observing scheduled did not report certain three-mour periods for any particular sports furth the swallatic period of record. Such missing sheets are listed televi, and are applicable to all numberiod prepared from mounty observations.

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WALE H	JUi.Ł	.e. M. E. Müsküs	Teresola

STATION	NO ON SUMMARY	STATION NAME		LATIT	UDE I	ONG: TU DE	STATION ELEV IFT	T CALL SIGN	WMO N	MBE K
10	06870	GRAFENWOHR GERMANY AAF		N.	49 42	E 011 57	1360	EDIC	10	687
		STATION LOCATI	ON A	ND II	NSTRU	MENT	ATION H	ISTOF	RY	
NUMBER Of		GEOGRAPHICAL LOCATION & MANE	TYPE	AT THIS		LATITUDE	LONGITUDE		ABOVE MSL	OBS PER DAT
LOCATION 1		nr Germany	AAF	Jan 59	10 May 62	N 49 42	E 011 57	1370	N/A	12 <b>t</b> o
2	No change	e	AAF	Jun 62	Feb 65	No chge	No chge	No chge	N/A	24
3	No change	e	AAF	Mar 65	Dec 70	No chge	No chge	No chge	1363	24
4	Same		J <b>a</b> n 71	Aug 82	Same	Same	1360	Same	24	
,						1	1			}
	}									
										j
								<u></u>	<u> </u>	1
NUMBER OF	DATE OF	· <del>····································</del>	NO EQUIPMENT	NFORMATION TYPE OF	TYPE OF	HT ABOVE	REMARKS, ADDITI	ONAL EQUIPMENT.	OR REASON FOR	CHANGE
LOCATION	CHANGE	LOCATION		TRANSMITT	ER RECORDER	CROUND				
1	Jan 59 to Feb 60	Located on top of helicop 100 ft W of active rnwy.	ter shed,	AN/GMG	None	20 ft				
2	Mar 60 to Feb 61	Located on top of hangar ft W of active rnwy.	roof, 100	No che	ge No cha	ge 35 ft				
3	Mar 61 to Sep 67	Located on top of control		No chge	RO-2	50 ft				
4	Oct 67	Located 285 ft from cente parallel with Rnwy 32.	rline	No chage	No che	e 13 ft				
4	Oct 67 to Dec 70	Located 285 ft from cente parallel with Rnwy 32.		No chae		e 13 ft				

USAFETAC FORM 0-19 (OL A)

CONTINUED ON REVERSE SIDE

IBER OF	DATE		SURFACE	WIND EQUIPMENT INF	ORMATION			
)F A <b>tion</b>	CHANGE		LÒCÁTION	` -'.	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOYE	REMARKS, ADDITIONAL EQUIPMENT. ON REASON FOR CHANGE
5	Aug 82	Same	<del></del>		Same	Same	Same	
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U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART A

#### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By mouth, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

A - 1

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

# **WEATHER CONDITIONS**

7	TAFENZOHE AAF TE	73-61	1.2
STATION	STATION NAME	YEARS	MONTH
SIAHON	STATION FLAME	TEARS	MONTH

PERCENTAGE FREQUENCY OF GCCORRECT OF JEATHER CONTITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/ OR HAZE	BLOWING SNOW	DUST AND OR SAND	S OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1. %	1		2	• "	1300		26.5	. 55 • 7	i e é			4	
	, • <del>-</del> 0.1		0.1	. 7	13.5		26.7	r 4 . 1	1.1				
	] fa = 18		1.003	. 7	15.9		26.4	°ó•2	1.7		7.2	-7	-17
	14-11		11	1.1	22.4		22.5	49.9	4.1				1.7
	17-14		1.1.3	• 5	2.3		33.0	76.4	12.1			42.21	
	15-17		1:03	. 7	18.3		29.9	36.7	15			5	+ 14
	.8-2)		10.1	. 4	17.:		26.5	47.5	9.8		·	[t.y	
	1-23		11.0	. 4	15.3		26.5	51.4	4.7	•:	: 	1,6 2	. 1
			-										
TOTALS				?	18.7		25.6	40.5	ۥ5	. <u> </u>		: 4 .	7 ~

USAFETAC PORM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

. PAL CETMATOLOGY REANCH AL SCATHER SERVICE/MAC

# **WEATHER CONDITIONS**

. 7	LRAFENARHP RAF OL	73-21	e
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCUPRENCE OF \*EATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
۴. ،	ŋ <b>-</b> 32		13.8	. 8	12.5		22.7	45.3	4.2			•	7 5 7
	33±35		11.6	. 7	13.0		24.7	49.3	3.2			52.4	761
	16-03		12.0	1.2	14.3		27.3	-1.0	3.0		,	£ 5 . 5	757
	9-11		11.7	•5	17.1		27.5	41.7	13.3			55.5	71.1
	12-14		9.6	•1	12.1	• 1	?1.3	24.1	22.2			46.3	757
	15-17	• 1	9.7		12.7	··············	21.1	17.6	21.3		ļ •	38.6	• ,:
	18-23		9.2		13.5		18.1	34.4	14.4		· •	45.2	763
	1-23		ۥ5	.7	12.2		20.5	44.2	7.5			-1.2	76?_
			<del></del>										
TOTALS		• ປ	16.4	•\$	13.1	• .	22.9	39 . 0	11.3			٠٠٠٠	6.194

USAPETAC POINT 0-10-5(QL A), PREVIOUS EDITIONS OF THIS POINT ARE OSSOLETE

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4 LEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

STATION STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCUPRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING KAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND. OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
мет	a- 11		1 .3		5.5		17.1	41.5	3.♀			41.4	- 17
	J3-75		11.6		7.9		18.9	45.	2.1			73.3	. , , ,
	. 5 <b>−</b> 7₹		11.7		ગ•ર		20.3	50.8	5.4			56.	, <u>; ;                                  </u>
	9-11		13.9		13.0		22.7	28.6	18.7			17.4	: : =
	12-14		12.3		5.9		13.2	11.1	71.7				: <u></u>
	15-17	• 1	12.2		5.4		10.4	ġ•b	17.			26.6	<u>::•</u>
	18-25	• 2	17.4		5 • 1		17.1	14.7	15.1			.=.7	٠ <u>٠</u> ٠
	11-23		11.7		3.9		14.5	30.7	8.7			39.4	. 77
						_		-					
TOTALS		• 13	12.3		7.		18.2	28.9	11.7			L 1.5	و <u>د</u> و د

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## **WEATHER CONDITIONS**

- 7 ',	SHAFENADAR AAF OL	73-11	16.
STATION	STATION NAME	YEARS	MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER COMDITIONS FROM HOUPLY DESERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
2pc	70-77		17	. 3	2.6		13.0	32.7	4.2			30.4	794
	53-05		9.7		5.3		14.5	47.3	3•*			71.1	797
	76-03		11.5		7.3		16.2	49.4	11.			57.5	797
	-9-11		11.1		6.7		10.7	16.7	21.1			27.8	1
	12-14	• 2	11.2		5.4		15.0	3.2	13.1			14.4	801
	15-17	•6	1 d • C		4.0		12.7	2.6	7.9			15.6	7 - 1
····	18-2	• 3	12.4	• 1	3.8		15.3	5 • 6	12.1	<u> </u>		17.7	792
	21-23		1 •6		4.5		13.3	17.0	13.1	-		27.1	792
TOTALS		• 1	10.9	.1	4.9		14.5	71.8	18.4			32.3	

USAPETAC POINT 0-10-5(QL A), PREVIOUS EDITIONS OF THIS POINT ARE OSSIGNETE

SC -AL CLIMATOLOGY BRANCH C PS LTAC AS SEATHER SERVICE/MAC

# **WEATHER CONDITIONS**

STATION STATION NAME

YEARS

W L Y

PERCENTAGE FREQUENCY OF OCCUPPENCE OF WEATHER CONDITIONS FROM HOUPLY CESERVATIONS

HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND: OR HAZE	SLOWING SNOW	DUST AND OR SAND	S OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
.0-32	•5	13.1		• 1		1.01	31.5	2.2			33.7	
J3+25		11.2		• 1		11.5	57.5	2.7		I	73.2	
5-16	-1	11.5		• 2	• 1	12.2	41.3	140.		· ·	<u>- 11011</u>	ي ج
-9-11	•1	17		. 4		10.9	7.7	16.7			24.3	- 34
12-14	1.2	12.9		.6	• 1	13.4	2.4	9			,	. 34
15-17	2.9	11.3		• 1		11.4	1.7	5•t			ا <u>- قو-</u>	1
15-2.	1.7	10.3				10.3	3.9	t • 4		: 	2 . 3	- 2*
21-23	-8	19				16.9	15.4	4.4				· _ 4
					i						; ; ; ;	
										 		6617
	(157) . D-32 . 3-75 . 5-14 . 3-17 . 15-17 . 15-2	(LST.) STORMS  . D-22 5  . 3-25  . 5-18 1  . 9-11 1  1.2-14 1 2  15-17 2 9  15-2. 1 7	HOURS (LS.T.) THUMBER STORMS AND OR DRIZZE  . D - 22 .5 13.1  33-75 .11.2  5-18 .1 11.6  9-11 .1 17  1:-14 1.2 12.9  15-17 2.9 11.3  16-2 .1.7 10.3  .1-23 .8 19	HOURS (LS.T.) THUMBER OR STORMS AND OR DRIZZLE  . D - 32	HOURS   THUMBER   STORMS   AND OR DRIZZLE   RAIN & FOR SKEET	HOURS   THUMBER   AND OR   RAIN & /OR   AND/OR   STORMS   AND OR   DRIZZLE   SLEET	HOURS   THUMBER   STORMS   AND OR DRIZZLE   RAIN & FOR SKEET   HAIL   ORS WITH PRECED.	HOURS   THUMBER   AND OR   RAIN & /OR   AND/OR   SEET   MAIL   ORS WITH   FOG	HOURS   THUMBER   STORMS   AND OR DRIZZLE   SLEET   MAIL   ORS WITH   FOG   AND OR MAZE	HOURS   THUMBER   AND OR   RAIN & /OR   AND/OR   DRIZZLE   SLEET   HAIL   ORS WITH   FOG   AND/OR   SNOW	HOURS   THUNDER   STORMS   AND OR   RAIN E / OR   SEET   HAIL   ORS WITH   FOG   AND OR   SHOW   AND OR   SAND	HOUNE   STORMS   DRIZZLE   SLEET   MAIL   DRISWITH   POG   AND OR   SNOW   SAND   TO VISION

USAPETAC ROBIN 0-10-5(QL A), PIEVIOUS EDITIONS OF THIS FORM ARE DESOLETE

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# **WEATHER CONDITIONS**

JU.

÷ 7 ′	SPAFENAOHR AAF PL	73-61
STATION	STATION NAME	YEARS

# PERCENTAGE FRECUENCY OF OCCUPRENCE OF REATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING	DUST AND: OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NUC	<b>0-</b> 03	1.1	11.6				11.5	34.5	5 و ي			7 5	3 9 5
	<u>03-05</u>	1.2	13.6				13.6	55.6	1.5			67.1	< ĵ <b>c</b>
	06-08	. 4	13.3			·	13.3	44.3	12.1			55.4	217
	)9 <b>-11</b>		9.8				9.8	6.9	17.3			24.2	<u> </u>
	12-14	1.7	9.5				9.5	2.5	<b>⊍</b> • 5			9.0	^; <b>^</b>
	15=17	2.3	ರ • 3				8.3	2.2	3.0				
	18-20	1.5	10.4				15.4	3.3	5.7			۶.	. 1 .
	21-23	1.9	11.3				11.3	17.3	6.3			23.0	: .
			, <del></del>						<del></del>				
<del></del> .													
TOTALS		1.3	11.				11.0	73.e	7.			27.7	6477

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SE PAL CLIMATOLOGY BRANCH CONTETAC AND ASATHER SERVICE/MAC

.57" GRAFENKOHR AAF DL

# WEATHER CONDITIONS

SIATION	SIATION NAME	5				TEARS	
	DEDCENTAGE	FREDUCACY	ΔE	OCCUPRENCE.	ΔE	SCATUCE	

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	ILOWING SNOW	DUST AND: OR SAND	S OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JuL	0-02	• 7	14				1 .4	41.2	3.5			44.7	2.50
	J3-05	• 2	13.1				13.1	65.6	1.7			17.5	[دِ ر
	16-98		13.6				13.6	48.6	1 •5			٤٦.١	€ 3.1
	9-11	•1	15.7			···	15.0	9.1	70.7			76.1	يرد -
	10-14	1 • ∪	10.1				26.1	3.0	7.7			20.7	- 31
	15-17	1.7	14.3				14.0	3.6	4.9	ļ •————————————————————————————————————		8.5	÷ 51
	19-23	2 • 3	12.7				12.7	4 - 1	7 • 3	<u> </u>	 	11.9	0
	1-27	2.2	13.4				13.4	24 • 6	\$• ·			32.6	4.20
			·										· · · · · · · · · · · · · · · ·
							1						
TOTALS		1.0	13.6				13.6	74.1				31	د د <b>ب</b> ۲

USAFETAC FORM 0-10-5(QL A), REVIOUS EDITIONS OF THIS FORM ARE ORIGINETE

-0 - AL DEIMATOLOGY RRANCH (1740 A)- (747H28 SERVICEZMAC

# **WEATHER CONDITIONS**

7.5	CPAFEHAOUP	AAF DL	73-61
STATION		STATION NAME	 

YEARS

MONTH

PEPCENTAGE FREQUENCY OF CCCURRENCE OF AEATHE? CONDITIONS FROM HOUPLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AN. JR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1.0	7+7	• 5	6.9				6.3	53.7	1.5				: 37
	, * <del>=</del> 35	.4	5.7				5.7	55.4	1.6			4.,.:	937
	16-08	.4	7.6				7.6	54.2	9.2			73.4	227
	<b>√-11</b>	• 2	7.5				7.5	16.8	77.1			44.	- 57
	1 '-14	.7	8.5				8.5	2.6	17.1			19.7	34
	15-17	2.3	1 .0				10.0	2.0	30.5			17.1	;•
<u> </u>	10-23	1.9	9.0		,		9.~	.9.7	11.5			1	
	11-23	• 8	8.9				ê.9	72 • 1	٤.1			72	- 35
			 <del> </del>					<u>.</u>					·
<u> </u>													
							-						
TOTALS		.9	٤.1				5.1	30.5	10.6			41.1	აგის

USAPETAC POINT 0-10-5(QL A), PREMIOUS EDITIONS OF THIS POINT ARE DISSOLUTE

SETAC 41 SERVICE/MAC

## **WEATHER CONDITIONS**

, = <b>7</b> · ·	SPAFENADAR AAF OL	75-61	582
STATION	STATION NAME	YEARS	HTMOM

# PERCENTAGE FREQUENCY OF OCCUPRENCE OF ABATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND. OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
I.P	)a-a-	. 4	18				10.5	53.€	1.7			4.7	٠ ,,
	.:3-55		9.7				5.7	62.4	• 7		 	67.2	-, 4
	26-38		11.4				11.4	£á.	1.7		! •	64.5	935
	39-11	-1	10.5				13.5	79.1	22.7			51.4	903
	12-14	- 4	9.1			• i	9.2	F • 5	21.9		<u>.                                    </u>	78.41	- 4
	15-17	• 5	9.1				9.1	4.1	1202		1	17.7	٠. ٤
	18-2.	1.5	à•8				8.5	17.4	12.7		· ·	10.4	5 <u>3 n</u>
	21-23	•1	7.8				9.8	79.3	4.5			47.3	793
													<del></del> .
TOTALS		.4	3.6		<u> </u>	• 0	9.8	35 • C	13.3			4	6427

USAPETAC POINT 0-10-5(QL A), PREVIOUS EDITIONS OF THIS POINT ARE OBSOLETE

CONTACT SERVICE/MAC

## **WEATHER CONDITIONS**

e <b>7</b> ·	PAFENHOHR AAF OL	72-81	ne T
STATION	STATION NAME	YEARS	HTHOM

# PEFCENTAGE FREQUENCY OF OCCUPRENCE OF LEATHER CONDITIONS FROM HOURLY DESERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	S OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
727	20-37		15.a		• 5		17.5	56.6	1.4			74.1	3.6
	3= 35		14.2		. 5		14.5	63.2	• 1		 	,,,,	37
	0-38		15.8		. 3		15.7	64.3	2•*		 		. 47
	J = 11		15.1		. 5		15.2	45.2	13.9			64.	<u>- د</u>
	12-14		14.5		• 2		14.8	15.3	21.9			37.5	
	15-17		16.0		• 1		16.1	11.2	72.7		· · · · · · · · · · · · · · · · · · ·	33.0	:37
	i∂-21		17.3		• .2	·	17.5	39.7	9.4			47.0	7
	.1-23		10.		• 5		16.4	51.9	3.0				= : 7
											<del></del>		
TOTALS			15.7		. 4		15.9	43.5	9.3			52.	6534

USAPETAC  $^{POSM}_{JAY, 6d}$  0-10-5(QL, A), PREVIOUS EDITIONS OF THIS POSM ARE OBSOLETE

SE FAL CLIMATOLOGY PRANCH SECTAC ASSETATORR SERVICE/MAC

#### WEATHER CONDITIONS

STATION STATION NAME TEAST NOTE TO STATION NAME TO STATION NAM

PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING	DUST AND OR SAND	* OF OBS WITH OBST TO VISION .	TOTAL NO OF OBS
NOV	10-71		15.5		9.8		22.7	51.4	7 • 1			-,5	*
	23 <b>-</b> 35	.1	14.9	.1	ತ•2		22.4	£3.4	2.1		i	55.1	794
	s <b>~</b> ~8.		12.3	. 1	10.7		22.3	54.5	2 • 1			55.6	798
	19-11		13.4		13.5		25.1	47.1	5.€			) 5°•1	. 98
	12-14		14.3		1 .5		23.7	30.6	10.5			41.4	7 . 5
	15-17		15.8	•1	3.8		23.6	31.5	<b>9</b> • 5			41.	* 9.3
	13-20	• 1	14.5	.1	9.5	•1	23.2	44.5	5.5			! -: • <b>!</b>	ي پ -
	3 <b>1-2</b> 3		14.2		13.4		23.5	47.1	3.+			5. • 6	797
TOTALS		• ü	1 + • 4	.1	1 .2	•	23.6	45.	5.1			1	0 ! 7 7

USAPETAC POINT 0-10-5(OL A), PREVIOUS FORTIONS OF THIS POINT ARE OSSOLETE

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1. CONTER SERVICEZANCE

#### **WEATHER CONDITIONS**

. 7	CRAFENHORR	AAF TL
STATION		STATION NAME

- 56.6

MONTH

PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND: OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
0 · C	10-02		13.6	1.3	16.1		?9.8	<u>~ 2 • 1</u>	1.5			4.	
	03-05		10.7	1.7	16.3		29.0	¢ 3 • 1	• ,			i Li.	· · ·
	06-08		14.0	1.8	17.1		72•ć	45.0	1.5			<u>u·</u> • / •	
	. 7-11		15.1	1.0	15.4		33.9	<u> </u>	3.7		• :	<u> </u>	:-
	12-14		15.1	.4	14.6	• 1	29.3	35.€	+ . 7			41	7 1
	15-17		14.3	• 3	13.3		26.9	35.4	5.4	ļ •		41.	
	1<-20	-1	14.4	•1	13.8		27.4	43.4	4.5	! !		41 .	
	1-23		14.4	.7	12.5		26.9	46.9	2.0				
												· •	
TOTALS		• 1	14.3	• 9	15.3		25.0	42.0	3.5		<u>.c</u>	4:	5 - 61

USAFETAC FORM 0-10-5(QL A), PREVIOUS REPTIONS OF THIS FORM ARE OBSOLETE

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## **WEATHER CONDITIONS**

. 7	STAFENADAD AAF UL	77-51	ا با ا
STATION	STATION NAME	YEARS	MONTH

# PERCENTAGE FREQUENCY OF COCHRETICE OF ALATHER CONTINUE FROM HOURLY 002FTATEONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND. OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS	TOTAL NO OF OBS
Jan.	ALL		1 • 3	• 1	18.7		26.5	L8.5	£•3	• 1		. 4 .	., ., -,
		• 3	16.4	•5	13.1	• •	22.9	39.	11.5	<u></u>	1		. •
		• •	12.3		7.5		13.2	73.9	11.7			• • •	<u> </u>
10.		•1	13.4	• 1	4.9		14.3	21.0	11.4			72.4	_ :
+ £ <b>Y</b>		. 4	11.2		• 2	• 3	11.3	19.5	7.1			· • • • • • • • • • • • • • • • • • • •	Ç.,.*
• نے ل		1.3	11.				11.0	20•8	7•_				5475
J_L		۱.۵	13.5				13.5	24.1	₹•	i 		33.1	554
5 C		. 3	3 <b>•</b> 1				E•ì	76.5	1 • 4	] 		41.1	68.74
-, >		. 4	7.5			• 4	7.3	35.0	1			4.5	6627
: 🔻			15.7		. 4		15.ŷ	43.5	٠,٠			; ; ^ ;	ية الرابية
1404		<b>.</b> c	14.4	• 2	12	•	23.0	45.1	5 <b>.</b> 1			Fr.1	c 777
0±0		.0	1+.3	. 7	15.3	ن •	29.5	42.i	3.5			45.5	c s!
TOTALS		. 4	11.3	• 2	5.3	•	17.3	33.2	5.4		• "	+1.:	77.74

USAPETAC FORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

#### PART A

#### ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of observation may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
  - (?) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
  - (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

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TAGE SET OF THE NAME OF

T CHRENICHR SAF OL STATION NAME

 $-6.7 \pm 6.1$ 

YEARS

MONTH

PROCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMICS FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
<u>ا</u> پ	PAILY	• 2	37.5	6.7	<b>5</b> 4•4		65.5	-6.1	r , .				<u>. 2</u>
٠.		. 4	₹5•3	u.7	44.5		61.9	52.2	4 8 • <u>-</u>	١.,	L — —-		٤ ٦
		j • 2	45.	٩.	31.9	• 6	6.7.6	75 <b>.</b> i	ė i • 4	•			4 ر
<i>:</i> -		rt • 8	54.5	• 4	13.5	1.1	لاه ر ۴	77.8	£5.5				<u> </u>
~ * ¥		12.4	55.4			i	55.4	74.4	62.0			::•1	
J		71.5	£ • 1		• 7	1.5	€0.7	75.2	64.			u	- -
J 11.		17.3	54.6			• •	54.6	61.7	υ <b>Σ</b> •3			,	<u> </u>
\$ 1		12.5	51.5			• 4	54.9	-3.4	7 . 3				
		5•8	49.			• -	49.3	75.6	7+•			-1.1	
1		• 5	u > • !		3 <b>-</b> 1		40.6	56.7	71.4			1 4 <b>4.</b> 7	
N .		• :	· 3•:	2.3	22.2		66.3	45.9	-5.3	• 3		77.a	÷ ;
<u>ه</u> د		• 2	47	5 • 6	46.2	• 2	65.4	54.6	40.3	٠,		94.5	
TOTALS		5 <b>. 5</b>	48.5	1.7	19.4	• 5	58.9	£2.1	63.9	• .2			7; `

USAFETAC POEM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

B

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART B

#### PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and manual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION ".00" equals none for the month (hundredths)

EXTREME DAILY SNOWFALL ".0" equals none for the month (tenths)

EXTREME DAILY SNOW DEPTH "0" equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of FRECIPITATION and SNOWFALL for each yearmonth and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incommittee months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
  - (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
  - (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

## Air Force Stations:

#### U. S. Navy and National Weather Service (USWB)

Beginning thru 1945	at	0800LST
Jan 46-May 57	at	1230GMT
Jun 57-present	at	1200GMT

Beginning thru Jun 52 at 0030GMT Jul 52-May 57 at 12300MT at 1200GMT Jun 57-present

GLUBAL CLIMATOLOGY BRANCH USAFETAC AI' WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERFENTAGE FREQUENCY OF

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GRAFENMOHR AAF DL

52-81

STATION

STATION NAME

YEARS

						AM	OUNTS (I	NCHES)						PERCENT		MON	THLY AMO	UNTS
PRECIP	NONE	TRACE	01	02- 05	06-10	11- 25	26- 50	51.1 00	1 01 2 50	7 51 - 5 00	5 01 10 00	10 01 20 00	OVER 20 00	OF DAYS	NO		(INCHES)	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2534	3 5-4 4	4 5 6 4	4 5-10 4	10 5-15 4	15 5 25 4	25 5-50 4	OVER 50 4	MEASUR-	OF OBS	MFAN	GREATEST	LEAS
SNOW- DEPTH	NONE	TRACE	1	2	3	4.6	7.12	13.24	25-36	37.48	49-60	61 120	OVER 120	AMTS			OMENIESI	15.43
JAN	3	?1.3	6.2	14.6	٥•3	12.4	5.5	1.2	•2			-		43.4	581	1.51	3.96	• (
FEB	, · · 1	17.5	5.6	12.8	8.6	12.8	4.5	• 9	•2	•	•		•	45.4	537	1.61	5.73	• .
MAR	3 7	17.3	5 • 8	12.2	7.6	12.2	5.1	1.2	•?	•	•	•	•	44.3	589	1.80	2.22	• •
APR	: ) • <u>?</u>	18.3	4.9	11.6	7.9	10.2	6.5	• 9	•?		•		•	42.3	567	1.61	3.92	• 1
MAY	4.5	12.6	3.7	12.3	6.5	13.1	4 . 8	2.3	• ĉ		•	•	•	42.9	587	: • '8	4.41	• (
JUN	34.8	12.1	4.6	12.1	9.3	10.2	8.4	3.5	1.1		· · · · · · · · · · · · · · · · · · ·		• · · · ·	49.1	570	7.92	5.59	• 6
JUL	45.3	14.2	5.2	8 • 6	4.7	11.2	6.3	3.4	1.0	• 2	•	•		47.5	61ê	3.05	6.1	•
AUG	47.	12.4	5.0	11.6	5 • 5	7.7	5 . 8	3.2	٩.	i	•	•	•	39.7	620	2.36	6.76	•
SEP	5 ~ • ~	8.7	5.8	10.4	6.8	9.2	5.7	2.3	• 3		+	•	•	47.6	599	1.95	3.05	•
ост	·2.7	1 2	3.7	10.0	6.8	9.2	5.0	2.1	• 3		:		•	37.2	619	1.89	5,04	•
NOY	1.	17.3	6.7	16.2	8.5	12.1	7.2	1.3			<u> </u>	•	•	51.6	597	1.91	3.91	• •
DEC	30 • 4.	20.5	5.6	11.1	10.4	13.7	5 . 8	2.5	• 2			-		48.8	634	2.09	6.66	•
ANNUAL	40.5	15.2	5.2	12.0	7.7	11.2	5.9	2.0	. 4	•0				44.3	7088	25.02	$\searrow$	$\leq$

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PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

COLUMN TOLOGY PRANCH COLUMN TO

# **EXTREME VALUES**

PRECIPITATIO

FROM DAILY OBSERVATIONS

STATION STATION STATION NAME

- 1 1

24 HOMA AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP	<b>O</b> C1	NOV	DEC	ALL MONTHS
		_					.32	• 3.3	• 6 '	.1		4.4	
· `	• 3 -1	.19	· • • · · · ·		• 6.6	1.75	1.77	e 4 1	• 75.	. 5.4	• <u>9</u> 9.	•	2.2
	• G 7	•12	• 35	. 24	· 78	• 9.3	• 14	• 3.5	. 4 5	• 4 I	• • •	• t 7	•
	•67	. 42	<u> </u>	• 7 :	<u>•63</u> .	1.20	95	• 5 0	1.09	e 2 1.	• ? 3.	1.1.	1. i
4.5	• 4: \$i	• 6.5	• 6 €	• 72	. 9.2	1.48	95	.71	. 4 5	• 9 5	• 1:	. +	:
6.	• 3 3	- 54	• • • • •	•36.●	• F 4	• 9 2.*	• 71	.64	• 9 °#	<u>•</u> 5 ⊃,	• f 👰	• ' .	• ;
<b>L</b>	•)!	• 24	• 29	· 56#	• 54	• 4.3	. 44	• 6	•6€	• 3.2	• 25	• * *	• 5
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	• 6	• 1 6	• 29i	1 • 1 5i	. 44	1 • 3 6	1.37	1.56	•17	•61	. 4	• 1	1.65
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7	6 ·	• 31 <sub>1</sub>	-52	• 4 Z	1.56	• 4 2	. 65	1.04	•63	• E ##	. 741	4.5	1.5
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<del>- `-</del>	* • 44	.16	. 43	•44	1.14	- 3€	7.51	<u>.9€.</u>	±91.	1	# 4 £2°	•571	2.2
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MEAN	4 2 5	.368	. , 79	4 - 5	. 544	775	665	729	587	. 156	.45	4/4	1.32
5. D.	0154	.243	26€	.257	. 381	. 35 ?	.658	429	264	. 72.3	•17ē.	9.7	. 4.3
OTAL OBS.	\$31	5 3 7	559	567	587	57L	b16	623	599	619	597	5. 6	75 ŝ

1210 WS FORM 0-88-5 (OLI)

TAC SEPTIMENTAL AND SEPTIMENT STATES

EXTREME VALUES 

FROM DAILY OBSERVATIONS

STATION STATION NAME

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MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG	SEP.	ост	NOV	DEC	MONTHS
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	1	• 36	7.15		1.75	ં • 8 એ	5.45	ે • ? જ	3 7	1 • 1 1	7.	•17:	
[	• 7	<ul> <li>5 ₹</li> </ul>	1.02	1.14	1.71	7.34	• 35	1.41	•		7 • 4 4	• *	:::•
	2.75	1.10	3.73	_ <del>7 • 2</del> 2	15	4.90	. <u>7 • 25</u> .	<u>1 • 9 7.</u>	3 • <u>7 2.</u>	• 🚉 🛂	5 h.	• •	25.00
5	: · :	7 - 14	5.66	· (a	1.04	4.71,	4.71	L 3	1.00	7.15	• 76		• •
5	1 • - 2 · 2	2.57	2.67	*يلوا	<u> 3.• Ω 1.</u>	7.02*	• 3 ?,	1.82		1 • 7 i.	1 • 2 3,	•	₹ * • •*
5.		1.34	1.45	1 9 *	1.64	0.13	, • 20	4.65	7 . 6, 5	1 . F 3	1.27	1	A Park
-	1.0-4	1.71	1.32		1.2	5.00€	3 - 4	- 444	• <sup>© 6</sup> .	±2°.	⊋•*ૄૄૄૄ૾.	<b>•</b> 1 1.4	
	i. 9	5.73	? • 6.%	•	4.09	1.13	2 • 75	្រឹ∙ស្ន	1 • ` ·	2.25	1.44	• •	* - • 4 -
	:-13		. 1 • 2 9.	<u> </u>	3.41	L . 1 4	• 25	<u> </u>	1.00	1 . 24.	1.07€.	1.1.1	
7 .	• 9.1	- 5.3	۰ ۲ ۶	1 • 5 6	7.74	7.77	3.45	7.0	<b>,</b> 11 14	1.004	7.79	• • •	
	- ! - }	1.1	• 44	•	• 2 3	1 • 7 4.	<u> </u>	. <u>le</u> :û	1	2.41	<u>. 34.</u>	2.7.	13.4
•	1.	1 , 9 9	• 11	•	1.0	2.53	7.1	1.12	7 • 6 <del>7</del>	4 •	1		2 3.4
	6 7 7	1.21	_ 1	1:12	1.21.	4 • 3.2	2 • <u>5 1</u>	<u> 2•33</u> .	1 • 4 7.	1.	2.		
7.	e Sarra	.27	. : 4	• 1 5	1.0	. î. ŝ	1 . 37	1 • 77	3 • 3 *	1 • 71	1 • 1 **	•	4 1 7 g . 4
	<u> </u>	2.2	4.23	<u> </u>	. 6 6.	2.4.2 -14	1.41	3.4€ 7.	1.5	1.70	2 4 2 1 19	1.224	1
7 "	* 1. **	1.12	7.	• '7	4.51	2.77	3.25	> <b>0</b> €	7.6.	1.5	-735	2.47	# 1 3 € 1 ¢
	* 1,44	1 • ? <u>6</u> .	3.14.5	46	1.12	2. 3	3 • 5 -	1 • H 5.87	7 • 1 5.		2.02.9	3.111	*
	* '* '1	1.73	1.47	7.71	1.50	3.00	5.43	1.07	1.3	7.10	•7~~	1.14	Α,
	1.1.1	tb:		1.15	3,44	1.0	. 5 · 5 · .	1.5%	1±7°.	5.44.	2.378	الم في ا	للعقلة
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MEAN	1. 12	1.637	1.796	1.511	276	2.917	3. 47.	2.355	1.973	1.275	1.913	2. 7	4 6 2 1
5. D.	- 41	1.244	6 3			1.341	B. Z.		1. 49.	40 9	• 0.32.	1.	1,455
TOTAL OBS.	5 ;	537	567	567	527	77	618	620	579	417	297	- ,	7 7 6 9

1210 WS FORM 0-88-5 (OL-1)

SLIBAL CLIMATOLOGY BRANCH USAFETAC AL MEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE EREQUENCY OF

STATION STATION NAME 52-51

				_		AM	OUNTS (II	NCHES)						PERCENT		MON	THLY AMO	UNTS
PRECIP	NONE	TRACE	01	02 05	06-10	11 25	26 30	51   00	1 01-2 50	2 51 - 5 00	5 01-10 00	10 01 20 00	OVER 20 00	OF DAYS	TOTAL NO		(INCHES)	
SNOWFALL	NONE	TRACE	01:04	0 5-1 4	1 5-2 4	2534	3 5 4 4	4 5-4 4	<b>♦</b> 5-10 4	10 5-15 4	15 5 25 4	25 5-50 4	OVER 50 4	MEASUR	OF OBS	MEAN	GREATEST	LEAST
SNOW DEPTH	NONE	TRACE	1	2	3	4.6	7.12	13-24	25-34	37 48	49-60	61-120	OVER 120	AMTS		and are	OREALEST	(CHS)
JAN	44.	21.9	14.3	1 .5	5 • 7	1.5	1 - 4	• 5	• 2					73.4	581	9.7	24.4	2.5
FEB	4.4	16.8	12.7	10.1	4 • 5	• 9	• 6	• 2			!	•		28.9	537	7.3	23.3	TRACE
MAR	67.6	15.4	6 • 8	6.1	2.5	• 5	• 3	• 5	• 2		<del></del>		•	17.7	589	5.5	17.4	TR≜CE
APR	١, ٩	11.3	2 • 5	4.2	• •	• 2	• 2			<del></del> -	<del></del>	•	•	7.9	567	?•2	3.7	TPACE
MAY	5.1	1.9	•	• 2	·						<b>-</b>			• 2	589	TPACE	. 9	•
NUL	0.7	•	•	•				···			• ——		•	• • • •	570	• ?	• ∪	• 5
JUL	70.7		1								1			•	6:9	• 5	• 5	• 3
AUG	. 30. 7	<del></del>										+	·	·	623	٠,	•	•
SEP	1 3.7													•	569	. 7	• .	•
oct	76.4	1.9	1.1	. 7								<del></del>	+	1.7	589	• 2	1.0	•
NOV	16.6	16.7	6.9	7.4	1.6	. 7			• 2				<del> </del>	16.7	569	4.1	9.6	TRACE
DEC	5~. ?	20.1	11-1	10.2	5 • 6	1.7	• 2	. 7	• 3					29.1	587	8.1	32.0	• 5
ANNUAL	70.9	8 . 8	4.6	4.1	1.7	. 4	• 2	• 2	• 1					11.2	5986	37.1	$\times$	$\overline{\times}$

1210 WS JUL 64 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

THE ALL CUTHATOLOGY BRANCH FOR THE FOR THE SERVICE AND EXTREME VALUES

Sh 18126

FROM DAILY OBSERVATIONS

T STATION STATION NAME

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MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	ОСТ	NOV	DEC	ALL MONTHS
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- Y	• •	<u>کہ د د</u>		TRACE		• 11	2.4		•	• 1	TORCE	<b>∗</b> ?.	5.45
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ة د		130€	2.2			•	• '1	•	•	•	ı • 🖰	• •	· ·
<u> </u>	<u> </u>	1 • 3	_ <u>_ 1 • }</u>			•	• 🚉	_ •	• .	. r. j.	• 7.	- 11	t <u>•</u> :
1	• *	2.0	1.7	1 . 4	•	• [	• .4	•	•	•	•	* • *	
			••.	. 1.5	•	• 4	•	<u></u>	•				. I.a I
	5 • 1	7 • 3	> 5	L .	. '?	• 1	•	• `	• .`	• 5	10105	6.	<u>.</u> • `
	<u> </u>	1.5		TOACE	·	•			• -	•	• 7.	= • ÷ .	په چ
	. • ?	٠ ٧		TPACE	• 1	• 4	أأب	• '	• .	•	1 • 4	• {	
	4 • .7	2.1				9. 4	9	• • • • • • • • • • • • • • • • • • • •		Taket.			
	· !	4	. •	1.7	•	• "	•	•	• ,	•	• •	• •	4 .
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i.		-	THACE		<u>, , , , , , , , , , , , , , , , , , , </u>	•	•	•	•	•	•1/	•	7.1
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		2.1		TOACL	•	• /	• :	. *	•	•		•	U . 4
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MEAN		2.2	~ > :	1. 3						. 1.7			4 - 5 - 7
S D.		1.4	2	1.142	• : 5		.300			• 33	1.42	1.5%	
TOTAL OBS		5.27	500	567	287	57	610	7	5 5.4	560	. 169	***	

MART & ITASEE ON LITES THAN FILL MONTIST

1210 WS FORM 0.88.5 (OLI)

HOMANY YOUGOTANTH A STALE SERVICE/MAG

# EXTREME VALUES

TARAMANA CARAMANA CAR

FROM DA LY OBSERVATIONS

STATION STATION NAME

TETAL MONTHLY SNOWFALL IN THOSES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ОСТ	NOV	DEC	ALL MONTHS
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**	13.0	23.3		TRACE	THACE	•		•			. 1.		. ۱.
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o '	1. • 7	2.5	4.9	2.5	•	• .		•	•	TO AC	1.1	•	11
· .	17.7	4.9	4 . 7	1	•		•	•		•	. 1	• : •	Ļ.,
5 .	اد ه ۱۰	14.2	• 7	_ 2 • 3:	•			•		•		3 . 2.4	27
	1	12.9	17.5	2.7	• 7		• .:	•		•	TRACE		
, .	<u>.</u> ₹	- · · · · · · · · · · · · · · · · · · ·	5 • P	3 F & C &	• 1			• •	• .	• .	• ;	7	, 5
	. 4	1.3	1.0	TRACE	•	• .	•	•	•	1.1	•		
	1 .	11.4	<u> </u>	7.4			_ •.1	• 1	• .	7:5		1	-
. ·	* • 4I	j ^ , u	1.1	1 . 7	• ``	• * *	•		•			•	•
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7-1			T-ASI	• 5	• **.	• .	• `	• 1	•	• '	1.15	•	. , 7
:7	f 14.	TRACE		·				•	• .	• !	7 . 4.7	ξ	* 57
7	• 1	1.1.2		ISELE	• * *	• .3	• .	• -	•	• 1	e .fm	7.	e . 1
<b>,</b>	7 .74 .4	<u> </u>			TEAC			, pt	•	•	· - 2.	•	₹ 4^
•	7 3 2 4	2.3	1 • 2,		13VCT	• 6	• -25	• 5	•	12.00		1	<b>*</b> 4 }
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MEAN	-67	7.33	5.53	201	•	• 1	• 7 21	• .			4	14	· · · · · · · · · · · · · · · · · · ·
\$. D.		c • 335			200	.331	•000	77:		455		5 4 6 5	11.5
TAL OBS.	501	537	559	557	589	57.	619	620.	5.5%	5,00	569	727	<b>b</b> 3

1210 WS FORM 0-88-5 (OL1)

GLORAL CLIMATOLOGY BRANCH USAFETAC AI - LEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

176870

SPAFENHOHP AAF DE

STATION NAME

62-81

YEARS

AMOUNTS (INCHES) PERCENT TOTAL 51-1 00 1 01-2 50 2 51-5 00 5 01-10 00 10 01-20 00 OVER 20 00 OF DAYS (INCHES) PRECIP. NONE TRACE 02- 05 .06-10 | 11- 25 NO. OF MEASUR-2534 3544 6 5-10 4 MOWPALL NONE TRACE 0.1-0.4 0 5-1.4 1 5-2 4 A 5-6 4 10.5-15.4 15 5-25 4 25 5-30.4 OVER 50 4 085. GREATEST LEAST SHOW TRACE 7.12 61-120 OVER 120 AMTS 3 37 -48 49-60 NONE 4.6 13-24 25-36 551 9.4 3.2 22.5 20.5 • 2 JAN 46.5 39.9 7.1 4.3 11.0 13.4 1.0 578 13.8 9.6 FEB 1.1 1.3 2.7 • 5 10.4 558 1. 3.6 1.8 MAR 507 2.2 .6 47. APR ∵ro•d 527 510 l⊨ p.d JUN · 0.3 557 JUL 70.7 558 AUG 539 00 • d SEP .9.6 . 2 558 . 2 • 2 45.4 1.1 7.1 534 - 6 NOV 9.8 43.7 16.6 5.7 39.7 542 8.7 3.5 10.9 1.1 DEC 14.1 11.2 4.7 2.4 2.4 1.5 4.0 3.5 6449 • 2 ANNUAL

1210 WS JUL 64 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE DESCLETE

POLICE SE CETARTOLOUY SEANOH PTAC PTSCH SERVLONZMAC

# **EXTREME VALUES**

Charles that

FROM DAILY OBSERVATIONS

STATION STATION NAME

#### CHIEF ONCE PERTY IN INCOME.

MONTH	JAN.	, FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG	SEP.	ОСТ	NOV	DEC	ALL MONTHS
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7.5	418 FC.			TRACE		- 1		· · · · · ·			TOACE		
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MEAN	t/ • •	5.0	2.5					-		. 1		1.3	:
5. D.	3.237		4.120	709	• :: C C	• 30 S	• v 0 3		• 05.	• 471	2.54	20214	
OTAL OBS.	551	108	556		527	514	55.7	556	539	533		5.42	£ 4 :

NOTE + (MASED ON LESS THAN FULL MONTHS)

1210 WS FORM 0-88-5 (OL1)

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART C

#### SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

\*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual rear and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and the MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly lincular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

\*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

TAL CLIMATOLOGY EPANCH TOTAL TOTAL SERVIC MASC

2

### **EXTREME VALUES**

Coper Live

FROM DAILY OBSERVATIONS

STATION STATION NAME

YEARS

THILY PEAK SUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	мау	JUN.	JUL.	AUG.	SEP.	ост	NOV	DEC	ALL MONTHS
			lasa 30	-     1 -		.b.\.a. 9.5	NSW 32 NSW 35		77F No. 61B		5 - 1914 1 - 34}		
		3				N 19+3 2					1		
	!		i			3.	:	1	1		•	i Name of the contract of the	
<u>.</u>					( * ; <sub>2</sub>				1 a - 7 G 5		)		A
	1	67	10 mg	► fist	- S	iksa ol				. k 🗀			× ~
	43.	156 17	1.		3 5		77/ 39		7/ 25	1 . 1	27 31	7/ 5	
			1001 75			23/ 27	327 41	k=/ 37k	1 527	1 3 3	77/ 6/5	17 10.	/
	/	75/ 14	74/ 34	77/ 34	11/ 7	34/ 35	26/ 34	PS/ 130	5/ 14	7	, ,	. ,	. ,
ļ			79/ 36	28/ 10	N/ 7	22/ 25	71/ 12	P6/ 7 P	11 15	/	27/ 47	17.	. /
	. / /:	1/ 16	27/ 42	771 26	29/ 3	24/ 20	201 10	71/ 757	7/ 55	/ ::	7 7 0.	11/ 7	100
•		19/ 60		60/ 74	71/ 29	77× 25	294 27	32/ 27/	37 77	/ , "	77/ 79	1	7
	/ 1/	24/ 47	71/ 70		25/ 34	31/ 20	317 30	Pa/ 152	7/	1	7-7 13	1 1	1
·		<i>→/</i> ~;	*	7 3 / 2 m	57 2		77 26	<u> 120 727</u>	7/ 1/3	11 1 3	/ 141	7/	
	1/4	15/ 26		21/ 73	77/ 31	327 26	34/ 72	B5/ 718	7/ 7 7	1 .	197 757	1/ 7	. /
			31/ 37		5/ 2;	17:1 24	720 25	<u> P64 - P</u>	51	J 🚉	1/ 61	• • • •	? 1
7								<b>237</b> 2	21 367	./ ~*:	35/ 178	• • • • • •	. 1
			27/ 43		27/ 4	<del></del>		+	77 7 3	1/ 54	/ 31	` '	27
			37/ 23	,	0/ 2.	1		777 33F		1 1	00/ 0%		- '/
	17/ 56	271 2 <b>7</b>	271 76	27/ 25	14/ 21	23/ 29	F: / 27	<u> 11/ 737</u>	57 TA	1 79	2 1/ 35	·/ · ,	/
	:												
			•			<del></del>							
						!		ļ.				:	
			·			·				-			
	į		1	:		!	:						
			<del>+</del>			<u></u>	+	1	- •				
[			:			i	ŀ						
			•			<del></del>	·	<del>+</del>			· · · · ·	-	-
l			İ	!		i	 					}	
MEAN	3.0	27.1	73.	3 .3	3.1.	2 7	:1.:	7.7	27.6	7 . 1	33.0		44
S. D.	1.35.	12.1 2	6.932	6.3 6	8. 41	5.301	c.453	5.582	. 590	762	1 . 43		• ·
TAL OSS.	5 . 4	530	536	543	5, 2 5	552	50.	596	• 91	ر ۱	٠	7	

1210 WS FORM 0-88-5 (OL1)

LATINAL DIES DIE ZHIMON LIUR MANT ZZRE NO BEGEN L

GLOBAL CLIMATOLOGY BRANCH SAFETAC

STATION STATION HAVE

# SURFACE WINDS

ATT JEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-81 ALL WEATHER

					con	DITION				_			
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 1C	11 - 16	. 17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		^^ ^ V
N	. 3	• 1				<del></del>	<del></del>			<del></del>		4	
NNE	• 3	······						•	•				
NE	. 4	ت : د •						<del></del>		•	-	6	
ENE	1.0	1.1	.6			!		<del></del>				2.8	
E	5.4	3.8	.6			<del></del> -			•			9.8	-
ESE	3.0	2.3								•		5.3	
SE	2.6	. 4				i			•	•		3.3	
SSE	1.1	. 8						•	• •	• •		1.9	-
S	1.4	1.3					•		•	•		2.6	
ssw	. 8	• 9							•	·	•	1.5	
sw	. 3	1.0	• 1						:	•	•	1.4	
wsw	. 8	1.0	. 8									2.5	
w	3.9	4.5	6.9	1.4	. 1	1						16.9	-
WNW	1.6	- 9	1.4	3								4.3.	_
NW	1								:				_
NNW	•6								1			16	
VARBL			1.3	1.1	. 4		l	!			·	2.8	

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 GRAFENHOHR AAF DL 73-81 ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	i · 28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N		1					•———					1.	. 5.
NNE	. 4					•		<b></b>	<b>.</b>			4	1
NE	.1_	. 4	. 1					i	·			6.	4
ENE	. 7	1.4	• 5			ī	:	<u>i</u>	·	<b></b>		2.6	4
E	6.5	2.6	.6			Ī						9.7	3
ESE	4.1	. 6				ī- 						4.7	2
SE	2.9	. 7	i			<u> </u>						3.6	2
SSE	1.1	• 6:	• 1			<u> </u>	:			·		1.9	_ 3
5	1.1	1.2	• 2	i								. 2.6.	
SSW	. 7	1.1					: -					1.9	3
sw	. 7	. 6		1.							_	1.5	. 4
wsw	. 7	1.1	.6	. 2		i						2.7	<u> 5</u>
_ w	5 و ر	4 . 6.	5.5	2.5	. 1	-						16.2	7
WNW	1.4	• 9	1.6	. 5				•				. 4.4.	_ 6
NW	. 4	. 7	• 6				<u> </u>		•			1.7.	5
NNW	• 5	• 5		•1								1.1	5
VARBL	iI	i i	. 9	. 7	• 1	1						1.9	11
CALM	$\geq <$	><	><	><	$\geq \leq$	$\geq <$		<u> </u>			1-1-1 1-1-1	42.4	
	24.9	17.3	10.8	4.2	. 2	- 1			1	:		100.0	2

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH US#FETAC AIP REATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 GRAFENMOHR AAF DL 73-81 YEARS BOTTE TEARS BOTTE TO STATION NAME ALL WEATHER 0600-C800 Hours (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	1   28 - 33 	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 4	5	-1				•					1.3.	3.
NNE	1.					! •			·		~		2.
NE	. 4	. 2	.1			1						7	3.
ENE	1.5	. 6	• 6			i						2.7	4.
E	4.7	3.2	.6	. 1		1						. 3.6.	3.
ESE	5.4	1.2										6.7	_ 2.
SE	3.1	1.1										4.2	. 2.
SSE	1.8	• 2	• 1						· ·			. 2.2.	2
\$	1.1	1.6							· • - · · · ·			. 2.8.	_34
ssw	1.0	6					•		•			1.6.	. 3
sw	• 7.		2			<u> </u>	·		۱ • ،			11.1.	_3
wsw	1.5	2.1	. 4	1		<u> </u>		·	•			4.1	44
_w	3.3	3.6	5 . 2	2.7	. 4	<u> </u>	Ĺ					15.1	
WNW	6	2.0	1.1	. 5		i						4.2.	6.
NW	. 4	2	. 4	1		İ							5,
NNW	1.2	• 1										1.5	2
VARBL		• 1	. 6	1.6								. 2.5	12
CALM	><	><		><				$\geq <$		<u> </u>		39.8	
	27.2	17.6	9.6	5.3	. 4				r	F 2 1 1 7 3 8	• • •	100.01	3.

TOTAL NUMBER OF OBSERVATIONS

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

GRA	FENWOHR	AAF D	L HAME				-81		YEARS			- <del></del>	MAN.
	_				ALL W	EATHER							-1100
					co	HOITION							
SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	, 41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	.1	. 4	. 1			<del> </del>		:					. 4 . 6
NNE	-1												2.0
NE	.6	. 4	• 1				:	1				. 1.1.	3.4
ENE	1.0		• 5						†	•		3.6	4.4
E	4.8	3.1	.7	1					<del></del>		· - · · ·	8.6.	3.7
ESE	6.8	2.5	. 2				<del></del>	!				9.5	2.9
SE	2.8	1.6							•			4.4	3.1
SSE	1.8	• 2	• 1					•		<b>-</b>		2.2	2.5
5	1.5	2.2							1			4.1.	4.0
ssw	1.1	. 9	• 1					•	<del></del>	. —		2.1	3.6
SW	1.0	1.1	• 2						<u> </u>	•		2.3	3.9
wsw	1.1	2.0		• 2		1	[					4.8	5.6
w	3.0	4.4	3.9	2.7	• 1	1		!				14.1	6.9
WNW	• 5	1.1	2.0	1.2	1	1			!			4.9.	8.4
NW	. 7	1.2	. 9	-1		:						3.0	5.6
NNW	• 1	. 4	• 1							•		. 6	4.4
VARBL	ì		1.0	1.5	. 4	I				·		2.8	12.5
CALM		$\geq$	$\geq \leq$	$\geq <$	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq <$	$\geq \leq$		31.1	
		2								! i	•		

TOTAL NUMBER OF OBSERVATIONS 81

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 '6877	GRAFENHOHR AAF DL	73-81	JAN
STATION	STATION NAME	(EARS	NONTH
		ALL WEATHER	1200-1400
		CIVIN	HOURS (L S T )
		CONDITION	•

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	•2	-1					·					4.	. 3.0
NNE	• 2					<u> </u>	•—-						. 2.0
NE	.6	. 9					+					1.5.	3.8
ENE	1.4	2.5	. 9									4.7	4.5
E	2.7	2.2	2.1									7.3	5.0
ESE	4.7	3.7	. 5									3.9.	3.5
SE	3.8	1.6	•1				·	<b>.</b>				5.5.	3.3
SSE	1.8	1.6					· · · · · · · · · · · · · · · · · · ·	• <del>-</del>		i 		3.4	3.1
S	2,6	2.0	. 6				<u> </u>			· •		5.1.	4.1
SSW	1.2	2.0	. 4	1		<b></b>		•	•			. 3.7.	4.3
sw	• 7!	1.2	. 9					•				2.8.	5.2
wsw	1.0	1.7	1.8	. 4								. 4.9.	6.3
w	1.2	5.2	5.4	3.1								. 15.0	7.7
WNW	1.1	7	2.5	1.9				· 				. 5.7.	7.8
NW	1.6	1.5	1.9	9				<u></u>				5.3.	6.3
NNW	. 9	. 2		. 4				İ				1.8	5.9
VARBL	LL		2.1	1.0	2							_ 3a3.	10.3
CALM	$\geq \leq$	$\geq \leq$	> <	$> \leq$	$> \leq$	$\geq \leq$			$\sim <$	<u> </u>	<u>``</u> ``'-\`	20.5	
	25.8	27.1	18.9	7.3	. 4							100-0	

TOTAL NUMBER OF OBSERVATIONS

813

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENHOHR AAF DL	73-81 YEARS	JAN
	ALL WEAT	HER	1500-1700 House (LST.)
	CONDITION		

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	. 22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 7	1										. 9.	2.1
NNE	. 2											2.	
NE	. 4	. 9			1						<del>_</del>	1.2.	3.1
ENE	2.1	1.6	. 9									4.5	4 . 3
E	4.1	2.1	1,7									7.9	4.2
ESE	4.9	2.2	• 1			1						7.2	2.9
SE	3.9	1.6	. 1									5.7	2.5
SSE	2.2	1.1	. 2		·			•				3.6.	
5	2.9	2.0	• 5		<u> </u>	1						5.4.	3.1
SSW	1.5	. 7	1		<del></del> -	!						2.3.	. 3.
SW	1.0	. 7	. 2		•	:	•	•	·			2.0	4.6
wsw	1.2	2.5	. 9	. 4	1	<u> </u>	L			•		4.9	5.5
w	2.5	5.4	6.6	1.2	• 1	<u> </u>		+		<u> </u>		15.8.	_ 6.6
WNW	1.2	1.5	2.6	. 5	-1	<u> </u>	<u> </u>			4		.5.9.	6.5
NW	1.2	1.5	. 6	• 2		·			·	<u> </u>		3.6	_ 4.9
NNW	. 4	. 9	• 2						<u>i                                     </u>			1.5	9.3
VARBL		• ?	1.6	. 7	•1	• 2	L	<u> </u>				2.9.	11.5
CALM	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	><	$\geq \leq$		><	><	24.4	
	30.5	24.9	16.5	3.1	. 4	•2						100.0	3.6

TOTAL NUMBER OF CIBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENWOHR AAF UL	73-81	YEARS	JAN HORTH
		ALL WEATHER		1800-2000 HOURS (LST)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 33	34 - 40	41 - 47	48 · 55	≥ 56	•	MEAN WIND SPEED
N	2.	- 1				•	•		•			4.	3.5
NNE									• —— —				
NE	9 !	6					•					. 1.5.	3.4
ENE	• 6	1.7	6			:	•					3.0	5 . 5
E	6.3	3.9	• 5		i		<b>.</b>		·			10.7	3.
ESE	5.3	1.1	•1		·	<u> </u>	•		•			<u>. 6.5</u> .	2.6
SE	1.6	1.0	. 4			<u> </u>	•					3.0.	3.5
SSE	1.4	2			· 	•	•					. 1.6.	2.5
\$	1.8	1.2	-1.		<u> </u>	·			•			3.2.	3.3
ssw	. 9	1.2	2									. 2.3.	. 9.1
SW	.5	9	2			!	•		<u>.</u>	•		1.6.	4.4
wsw	1.4	1.2	5			1	<b></b>		•	• •		3.1.	444
_w	3.1	5.2	4.8	1.6	1		ļ			·		. 14.8.	6.6
WNW	. 5	2.3	1.6	. 5	<u> </u>	<u> </u>				•		. 4.9.	[مط
NW	1.0	6	7		l 				<b></b>			2.3.	5_1
NNW	.5	. 2					L		L				3.0
VARBL			2.2	1.4					Ļ			3.6.	10.0
CALM	><	$\geq \leq$	$\geq \leq$	$\langle$	><	$\geq \leq$	><	$\geq \leq$	><	><		36.8	
	25.9	21.7	12.1	3.4	.1							100.0	3-1

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

# SURFACE WINDS

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# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

BONTH			IABS	¥I		-81	73	_				HAWE	AAF DL	ENWOHR	GRAF
2130-2300 HOURE (LST)		<del></del>					HER	E A '	L. N	_AL				_	
								Mbitio	co					_	
MEAN WIND SPEED	≥ 56	48 - 55	41 - 47	34 - 40	33	28 -	. 27	2:	' · 21	; , 17	11 - 16	7 - 10	4 · 6	1 - 3	SPEED (KNTS)
9 3.6					$\neg$			_				. 1		.6	N
															NNE
.7 2.8								)					• 2	• 5	NE
3.5 3.8					· · · · ·							. 4	1.2	1.9	ENE
9.3 3.5										1		• 5	4.2	4.6	E
6.7 3.1										Ī		. 4	1.6	4.7	ESE
4.0 2.9					7					Ī.		.1	1.1	2.7	SE
1.4 2.8										T		. 1	• 2	1.0	SSE
2.7, 4.0		- · ·	·							<u> </u>		1	1.4	1.2	S
2.6 4.3								L.				.6	. 7	1.2	SSW
2.1 3.7								1		<u> </u>			1.0	1.1	sw
2.3 4.4								<u>i</u>		<u> </u>	.1	• 5	• 6	1.1	wsw
13.3 6.7	<b>.</b>							1	1	1	1.2	5.1	4.2	2.7	w
5.1. 6.2								1		<u>.j.</u>	.6	1.4	2.1	1.0	WNW
2.0 4.4					,			· 		<b>1</b>		.5	. 6	. 9	NW
1.4. 4.4				i				1		<b>.</b>	1	- 1	. 4	. 7	NNW
2.8, 12.6		ç , <b>-</b>	مر			L		1	. 5	4	1.5	. 9			VARBL
39.3	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\leq$	$\geq$	$\leq$	$\supseteq$	$\leq$	$\supseteq$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	CALM
100.0 3.0	ī	1						]	- 6	}	3.6	10.8	19.8	26.0	

GLOBAL CLIMATOLOGY BRANCH USAFETAC

AIP WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENMOHR AAF DL	73-81 YEARS	JAN BORTH
0/2/104	3.41104 4.44		40***
	•—————————————————————————————————————	ALL WEATHER	ALL
		CLAM	HOURS (L S T )
			_
		COMPITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 43.	•2.	C.				• • • • • •		<del>-</del>				3.5
NHE	<u>•2.</u>						• •		· - · .			2.	la.
NE	•5.	<u>•</u> <u>5</u> .	• 0				•		· ·			. 1.0.	3.5
ENE	1.3	_ 1.5.	.6	·	<del> </del>							. 3.4.	400
E	4,9	3.1	, 9									. 2.2	3.
ESE	4,9	1.9	2.				•					. 6a9.	2.5
SE	2.9	_1.1.					• ·					. 4a2.	2.5
SSE	. 1.5.	. 6	• 1 :									. 2.3.	3.1
\$	1.7.	1.6	3.	• C								. 3.6.	3.
ssw	lal.	1.0.	. 2	D.;								2.3.	3.4
sw		8	. 2	0		ļ 				_		. 149.	44.
wsw	1.1	1.5	. 9	. 2			·					. 3.7.	5
w	2.9	9.6	5.4	2.1	2	!						. 15.2	-6.
WNW	1.0	_1.4	1.8	7	0							. 4.9.	6.
NW	8	- 9	6	2			<u> </u>					2.5.	5.
NNW	. 6	3	1	1			i		•			. 1.2	4
VARBL		0	1.3	1.2	. 2	1					_	2.8.	11.
CALM		><	><	><	><	><		- (			- ]	34.6	
	26.4	21.3	12.8	ц. в			·	7 5.7 .7	<del>-</del>	<b>*</b>		. 100-0	•

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 6471\_

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI: WEATHER SERVICE/MAC

VARBL

CALM

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

C6870	GRAF	ENWOHR	AAF DE				73	-81		EARS			<u>-</u>	EB.
BY BY ROOM						ALL M	EATHER	<u>-</u>					_0000	-0200
							IDITION						***************************************	
ŗ			<del></del>				1						<del></del>	
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
Ī	N	1.0	• 1	•1									1.3.	3.4
Ī	NNE	. 3.	• 5				-				•		8.	
[	NE	1.3	. 7										2.5.	2.6
[	ENE	1.4	2.5	• 5	•1						•		4.6	4.6
[	E	5.6	4.9	1.2	• 1								. 11.8.	4.0
[	ESE	1.8	. 9	• 5									3.3.	3.8
[	SE	1.0	• 5						·		•••		1.6.	3.1
[	SSE	. 3	. 4											3.4
[	s	. 8	1.4	. 4									2.6	4.7
[	ssw	. 3	•1	. 4									8 .	4.8
[	sw	9.	. 9	• 1									2.0	4.1
[	wsw	1.0	1.2	. 7	. 3								3.1.	4.9
T I	T								-					

TOTAL NUMBER OF OBSERVATIONS 7.6.2

10.6

1.6 1.6 1.7

48.8

6.0 4.1 3.7

.3.4

9.8

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5.8

2.0

1.2

GLGBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1'6570	GRAFENHOHR AAF DL	73-81		FEB
STATION	SMAM BOITATE		YEARS	HTMOS
		ALL WEATHER		0300-0500
		CIAM		HOURS (L S T )
		CONDITION		
_	<del></del>			

SPEED KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 58	•	MEAN WIND SPEED
N	• 7	- 4										1.1.	2.
NNE	1.1	. 7										1.7.	2.
NE	- 9	1.1	•1			1		•				2.1	
ENE	2.1	. 9	. 5					i				3.5	3.
₹ :	4.2	5.7	2.2	1								12.2	4.
ESE	2.5	1.2	. 3									3.9	
SE	1.4	1										1.6	. 2
SSE	. 3	. 4	. 3					•					44
S	• 5	• 7				i						1.2	
ssw	. 5	. 3								•		8	2
sw	8	- 7	. 8			! 				·		2.2	5
wsw	1.1	1.2	1.2	-1		1	· 	•		·		3.5	_ 5.
_w	2.6	3.9	3.4	• 5								10.5	5
WNW	5	3					ļ	·	<u></u>			1.2.	- 4
NW	1.3	. 5										1.8.	2
NNW	1.2	•1										1.3	2
VARBL			1.4					i 	·			1.6.	8
CALM	$\nearrow \bigcirc$	><	><	><	><	><	><		$\geq <$		\\ \\ !_\	48.8	
	21.7	18.0	10.6	. •								100-0	2

TOTAL NUMBER OF OBSERVATIONS 761

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

6870 TATION	GRAF	ENHOHR	AAF DE				73	-81	;	TEARS				EB
						ALL Y	EATHER				<del></del>		3600 HOURS	-0400
						cor	ROITION				<del></del>			
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥ 56	•	A:EAN WIND SPEED
	N	. 8	1		-			1					9 .	3.0
	NNE	. 7	• 1										. 8	2.8
L	NE	- 8	. 8	. 1						i .			1.7.	3.8
	ENE	1.6	2.0	1.0					<u> </u>				4.6	4.7
	E	4.5	4.7	1.7	• 1								11.0	4.6
L	ESE	4.2	1.2							i			5.4	2.6
L	SE	1.2	• 3	• 3									1.7	3.7
L	SSE	. 5	• 1	. 4			<u></u>		: •	<b>.</b>			1.0	4.8
L	S	. 9	• 5	. 4			<u> </u>				• <b>-</b>		1.8.	4.0
L	SSW	. 7	. 3				<u> </u>	·		·			<u> 9</u> .	2.6
L	sw	. 7	• 1	. 8		·	L			·	<b>.</b>		. 1.6.	5.1
L	wsw	1.2	1.7	1.3			<u> </u>	ļ •		·	i ⊷•		<u>. 4.3</u> .	5.3
L	w	2.5	3.7	2.6	• 5			<u> </u>			ļ <u>—</u>		9.3.	5.6
⊢	WNW	. 9	. 4	. 8			<u> </u>		<u> </u>	<del></del> -			2.1.	4.5
1	NW	1.2	. 9				<u> </u>		<u> </u>	<del></del>	<u></u>		2.1.	3.1
- 1	NNW	• 1	. 4				Ļ			<u> </u>				3.3
L	VARBL	L		1.3	. 3					: <del> </del>			1.6	9.3
	CALM	><	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$		><	_><,	48.6	
- [										i				

SLCBAL CLIMATOLOGY BRANCH JS4FETAC ATH WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENHOHR AAF DL	73-81	YEARS	FEB MONTH
		ALL WEATHER		3900-1100 HOURS (LST.)
	4	CONDITION	<del></del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - tQ	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 4					1						. 4	1.
NNE	.7	. 4	1			1."						1.2	3.
NE	. 9	. 8						1				1.7	3.
ENE	1.3	2.1	1.3								••••	4.7.	5.
E	3.5	5.5	3,2									12.2	5
ESE	4.1	1.8	. 3									6.2	3
SE	2.4	1.1	. 3	i					•	*		3.7	. 3
SSE	1.1	. 4		•		-		•		•	•	1.8	4
5	2.2	. 7	. 3	3		1	•			•		3.4.	
SSW	1.3	1.1	.1							•	•	2.5	3
SW	. 7	. 4				1				•— —-		1.1	
wsw	. 9	2.0	1.6	.5			· · · · · · · · · · · · · · · · · · ·			•	<del></del>	5.0.	6
w	2.8	5.1	3.9	1.2		<del></del>	•	<del>•</del>	•	• · - · · ·		13.0	
WNW	. 8	. 7	1.7	.3		<del></del>	<u> </u>	•					6
NW	1.1	1.2	.3			<del>}</del>	<del></del>	<del></del>	•	•		2 5	4
NNW	. 8	. 8	.3	<del></del> -	·	<del> </del>		†		•	·	به ه کد ایر ا	4
VARSL	• •		3.0	.4			<del> </del>	<del>†</del>		** !		led:	
CALM		$\geq \leq$				$\geq$	$\geq$	$\geq$	$\geq <$	><	`><	31.9	8
	24.8	23.9	16.7	2.6				Ĭ		<u> </u>	İ	100.0	

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6070	GRAFENWOHR AAF DL	73-81		FEB
BTATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1230-1400
	•	CLASS		HOURS (L S T )
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	tt - t6	. 17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 4	. 7	3			1.						1.3.	4.9
NNE	. 4	5	. 4			1						1.3	4,9
NE	1.2	1.3	• 3			i						2.8	3.8
ENE	2.0	2.2	1.8	• 1					1	•		6.2	5.1
£	2.2	5.8	1.6	. 4			:	:		• •	-	10.0	5.1
ESE	4.6	3.0	1.4								-	9.1	4.1
SE	3.3	1.8	1.2			1		,	•			. 6.3.	4.1
SSE	1.8	2.0	.7			•		•		• •		4.5	4.1
s	2.2	2.0	. 9	•1		,	•	•	••	• • • • •		5.2.	4.5
ssw	1.4	• 7	. 3				•	•	• • • • • • • • • • • • • • • • • • • •	•		2.4	3.4
SW	. 4	. 9	. 5				•	•		• •		1.8	5.2
wsw	. 7	2.2	1.0	• 5			+	•	<del>-</del>			4.5	6.1
w	1.8	4.5	6.0	1.3					•	• •		13.6	7.1
WNW	1.3	2.0							•		-	5.5.	5.9
NW	1.3	1.4	1.6	• 5		1	<del></del>	:		•		4.9	6.1
NNW	1.0	• 5	• 5		!	<del> </del>		:	·	• •		2.1	4.3
VARBL			3.9	. 9				•	•			4.9.	9.2
CALM		> <	$\geq <$		$\geq$	><	><				· · · · · · ·	13.8	
	26.1	31.5	24.7	3.9					**************************************	F	·	: 180 <u>.0.</u>	4.7

TOTAL NUMBER OF OBSERVATIONS 7.6.2.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 687C	GRAFENWOHR AAF DL	73-81	
STATION	STATION NAME	78425	HOMIN
		ALL WEATHER	1530-1700 HOURS (LST)
	<u> </u>	COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.0	. 5	• 7									2.2.	. 4.7
NNE	.7	4										. 1.4.	4.5
NE	1.6	1.6	. 4							•		3.5	3.5
ENE	2.5	3.9	1.6	,		!						8.0	4.7
E	2.1	5.9	1.0	.5							•	9.6	5.2
ESE	2.5	3.4	. 8							•		6.7	4.0
SE	2.6	2.4	1.0					*				6.0.	4.0
SSE	1.6	1.0	• 5					+		• · ·		3.1	4.1
5	2.5	. 7	• 1			!		•		• • • • • • • • • • • • • • • • • • • •		3.3.	3.5
SSW	1.7	. 8	. 3	. 3				•	. — — —	•		3.0	4.2
sw	1.2	1.6	,7	. 4						• • • • • • • • • • • • • • • • • • • •		3.8	5.2
wsw	1.4	1.7	1.7	. 3				•——		•		5.1	5.6
w	1.3	4.9	5.0	. 9			:	•				12.1	. <u>6.7</u>
WNW	. 7	2.6	1.8	. 5				•		·		. 5.6.	6.5
NW	1.2	2.5	1.2	. 1				·				5.0	5.2
NNW	2.1	. 9	. 4							•		3.4	3.9
VARBL		• 1	2.8	. 8				1				3.7	8.9
CALM	$\geq <$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\times$	$\geq$	$\geq$	$\geq \leq$	$\geq <$		14.3	
	26.6	34.9	20.3	3.8							1	100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH USAFETAC

AIR WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 587C	GRAFENHOHR AAF DL	73-81 YEARS	FEB
	<del></del>	ALL WEATHER CLASS	1803-2000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.4.	. 9				-						2.4.	2.5
NNE	1_	• 3				i							4 . 6
NE	1.8	. 9	·			<u>-</u>			·			2.9	3.2
ENE	2.8	2.5	1.2				•					6.4	4 . 1
E	4.6	5.1	2.1	• 1					•			11.9	4 . 6
ESE	2.8	2.4	• 5				•	·				5.6	3.8
SE	5	3	• 1						•			. 9	4.5
SSE	1.6	• 1	• 1			·	: •					1.8	2.6
S	. 5	. 4	. 3	. 1								1.3	4.6
ssw	. 9	. 9	. 3			İ						2.1.	3.9
5W	1.3	<u>. 8</u>	. 7			<u> </u>						2.8	4 . 2
wsw	2.0	1.6	. 4	• 3		i	. <b>.</b>	<b>.</b> . <b></b>	•			4.2	4.2
w	3.1	4.2	3.3	. 3			i					10.9	5.3
WNW	. 8	. 9		• 1								1.8.	4.4
NW	1.0	. 8	. 4				!					2.2	3.8
NNW	2.2	• 7	. 1									3.0	2.7
VARBL			1.7	. 3								2.0	8.6
CALM	><	$\geq <$	$\geq \leq$	><		><	$\geq <$	><	><	$\geq <$	$\rightarrow$	37.1	
	27.6	22.7	11.4	1.2						1		100.0	2.7

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

sw

WSW

w

WNW

NNW

CALM

. 8

1.3

1.3

1.2

1.7

6.2

. 5

2.0

-1

\_1

PERCENTAGE FREQUENCY OF WIND

### SURFACE WINDS

3.5

5.6

3.1

3.5 3.5

11.ā.

2.0

1.7

1.7. 9.6

DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

870 I	GRAFE	NEOHR	AAF DL				73.	-81	<del></del>	FEARS			. <u> </u>	E 8
							EATHER							-2300 (C\$T.)
		-				cox	1017109							
(KI	EED NTS;	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
	N	1.7	• 7	•1			<del> </del>		<del></del>				1.8.	3.5
N	INE	.4	.7		:								1.0.	9.3
1	¥E	1.4	. 5	• 3	!								2.2	3.4
E	NE	2.1	2.6	• B			1		`	<u> </u>			5.5	4.3
	E	4.2	7.2	1.6	• 1								13.1	4.4
E	SE	2.5	1.6			!				<del></del>	•		4.1	3.0
	SE	.9			L					<u>.                                    </u>			9	2.4
5	SE	. 7	• 5	• 1	1	i 	·		•	<del></del>				4.6
į	S	. 7	• 4	• 1	. 1		L		<u>.                                    </u>				1 . 3	4.6

7.0	1.8	د الم				F.20.20	<b>*</b>	100.0	2.6	
Zeu			L	·	L	 	SERVATION!			

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6877 STATION	GRAFENWOHR AAF DL	73-81 YEARS	FEB
		ALL WEATHER	ALL HOURS (LST)
	- 1, 6, 3-4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 9	. 4	.1			!	:					1.4	. 3.
NNE	• 5	. 4	. 1			· ·						1.1.	3 .
NE	1.2	1.0	• 2									2.4	3.
ENE	2.0	2.3	1.1	•0		:	· 					5.4	4.
E	3.9	5.6	1.8	• 2			1					11.5	4.
ESE	3.1	1.9	• 5	i		: 	:		· •			5.5	3.
SE	1.7	. 8	. 4			ļ	·		· •			2.8	3.
SSE	1.0	• 6	. 3	• 0		!						1.9	4.
	1.3	. 8	. 3	-1			<u> </u>					2.5	4.
SSW	. 9	. 7	• 2	• 0						<u>.</u>		1.9	3.
_sw	- 8	. 8	. 4	• 0			<u> </u>			<u> </u>		2.1.	4.
wsw	1.2	1.7	1.0	• 3			·					. 4,2.	5.
w	2.3	4.8	3 • 5	• 8	0		:	<b> </b>				. 11.4.	6.
WNW	.9	1.0	. 9	•1			<u> </u>		<u>.                                    </u>			2.9.	5.
NW	1.1	1.1	. 5	.1			<u> </u>	·	• • • • • • • • • • • • • • • • • • • •	•		2.7.	4 .
NNW	1.1	. 6	• 2			i •	<u> </u>					1.9	3.
VARBL		• 0	2.1	5	.0					· · · · · · · · · ·		2.6	9.1
CALM	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	><		35.8	
	23.9	24.5	13.6	2.2	• D							100.0	

TOTAL NUMBER OF OBSERVATIONS 6094

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6970 STATION	GRAFENMOMR AAF DL STATION HAME	73-81 YEARS	MAR MONTH
		EATHER	0000-0200 noves (L s T.)
	CONI	TOTTION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 6	. 4										1.0.	3.
NNE	. 4	. 4										.7.	3.5
NE	1.9	. 6	. 4									2.9	3.6
ENE	1.9	3.2	.7	• 1					*	•		6.0	4 . 5
E	5.3	2.0	• 6						<del></del>	• · · · · ·	•	7.9.	3.2
ESE	1.6								•			1.6.	1.6
SE	. 6								•	• • • • • • • • • • • • • • • • • • • •			1.5
SSE	. 4	• 2				1				••		. 6	3.4
S	1.0	1.1	• 1			1	•		•	•		2.2	3.5
SSW	• 5	• 2	• 2				-		•	•	·	1.3	3.0
SW	1.3	• 5	. 4	. 4			•	•	•	• •		2.5	4
wsw	. 8	1.4	1.0			1	!			• •		3.2	_ 5.
w	2.2	4.4	1.6	.2		<u> </u>		<del></del>	•	••• :		8.4	5.1
WNW	1.0	1.4	. 8	1			<b>——</b>	+		+		3.3.	5.1
NW	. 8	. 7	. 4			·	•	•	·	1		1.9	4.0
NNW	1.2	• 2	• 1			1		†	1	•		1.6	3.5
VARBL		.1	1.6	•2		i		<del></del>	•	•		1.9	8.6
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\times$				52.9	
	21.3	17.3	7.8	1.1							<del>-</del>	100.3	2.1

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

# SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

837

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

GRAI	FENWOHR	AAF DI				73	-81		TEA 88				AR
	_					EATHER						3330	
	_				ÇO	MDITION	, <u>-</u>						
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.1	• 1										. 1.2.	2.
NNE	2	• 2										. • 5.	3
NE	1.1	• 5	.1	• 1		<u> </u>			·	· 	·	. 1.5	3
ENE	1.2	2.4	1.3					i 				4.9	4.
E	3.9	2.4	. 7			<b></b>	·		·			7.0.	
ESE	2.6	. 6		·			•			<b>,</b>		3.2	2
SE	1.0	• 1		<u> </u>								. 1.1.	2
SSE	. 2	. 2				<u> </u>	•					5 .	3
5	1.1	. 6				<del> </del>				<b>.</b>		1.7.	3
ssw	- 4	. 4	. 1			ļ	·					8.	4
SW	1.3	. 6	•1			·	<del></del>					2.0	3
wsw	1.3	1.6	1.1	• 2				· ·				4.2.	.5.
W	3.6	4.1	2.0	. 7	• 1	<del> </del>	<del> </del>			<b>,</b>		10.5	5
WNW	5	2.0	1.1	. 2		<del></del>		·	· 	• •		3.8	. 6
NW	1.0	.6	- 1	.2		<b></b>		·		<del>•</del>		1.9.	4
NNW	1.0	.1	• 1			<del> </del>		<u> </u>	<u> </u>			1.2	2
VARBL			• 8	.5		Ļ		) <del>-</del> ;	<u></u>	#2:		1.3.	9
CALM		$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	52.3	
	21.4	16.5	7.6	2.0	.1							100.0	2

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENHOHR AAF DL	73-81	MAR
51A1A#	3/2/10W #2#E	YEARS	MONTH
		ALL WEATHER	3609-0800 HOURS (LAT)
		COMPITION	_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	8.	2	2									1.3	. 3.
NNE		- 22.					•					8	. 2.
NE		• 6	2									1.7	4.
ENE	2.7	2.0	1.0	• 1								5.9	4.
ŧ	3.2	4.7	1.1	•1								9.1	4.
ESE	2.5	. 5										3.0	.2.
SE	1.6	1.0										2.5	.2.
SSE	. 4	. 7				Ĭ						1.1	3.
<b>S</b>	1.1	. 4	• 5			Ĭ						1.9	4.
55W	1.0	. 2										1.2	2.
sw	1.2	1.2	• 1			<del></del>						2.5	3.
wsw	. 8	2.0	. 4	2								3.5	5
w	2.6	4.2	3.7	1.0			,					11.5	5_
WNW	1.0	1.9	1.1	. 5		!	Ţ					4.4	6
NW	. 7	• 1	. 2	• 1								1.2	4
NNW	• 2	. 2	, 4			1						. 8	5.
VARBL			1.3	. 4				:		·		1.7	B
CALM	><	><			$\geq \leq$	$\geq$	><	><	><	><	><	46.0	
	21.3	20.2	10.2	2.9								100.0	2.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC

# SURFACE WINDS

AIM WEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENHOHR AAF DL STATION HAME	73-81	YEARS	MAR
	<del> </del>	ALL WEATHER		C930-1130
		COMPITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 · 55	≥ 56	•	MEAN WIND SPEED
N	• 5	. 8	• 2									. 1.6.	4.4
NNE	• 5	• 2	• 2									1.0	3.
NE	. 7	1.1	• 5	• 2		!			1			2.5	5.0
ENE	1.6	1.7	1.7	•1				•		• • • • • • • • • • • • • • • • • • • •		5.0	5.
E	3.7	4.8						<del></del> -		•		10.6	4 . (
ESE	3.9	1.8	1.2					+				6.9	3.0
SE	2.8	1.8	. 4:					+	•	•		4.9	3.6
SSE	1.0	1.2	.5				+	+		• • • • •		2.6	4
S	1.7	2.6	. 4	• 2				•	•	• • • • • •		4.9	4.
SSW	1.0	1.0	.6			-		•				2.5	4.6
sw	1.2	1.1	.6			1	•		•	•		2.9	40
wsw	1.4	2.2	2.2	. 4		1			•			6.1	6.6
w	1.3	3.2	5.3	1.4		1		•	•			11.2	7.4
WNW	.6	1.6	2.6	1.2				<del></del>	•	•		6.0.	Ze:
NW	1.0	1.2		. 4		<del></del>	1	<del></del>	:			3.9	60
NNW	1.0	1.0	•1			1	<del> </del>	<del>                                     </del>	†	•			3.1
VARBL	1.00	• 2	3.5	1.6	•1		<del>                                     </del>	<del> </del>	<del>+</del>	<del></del>		5.9.	9.
CALM			~**					<b>\</b>			· · · · ·	19.9	<b>Z.i</b> .i
Crum					$\sim$					¥	. <u> </u>	w 112 z == 1.41	
	23.7	27.4	23.4	5.5	.1	1	1	}	1			100-01	4.1

TOTAL NUMBER OF OBSERVATIONS 8.36

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENMOHR AAF DL	73-81	YEARS	M A R
		CLASS CLASS		1230-1400 HOVES (LST)
		CONDITION		

SPEED KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	7 - 21 22 - 2	7 28 - 33	34 - 40	41 - 47	48 55	≥ 56	•	MEAN WIND SPEED
N	5.	1.7	. 2.								1.7.	4.
NNE	. •1.	1.0	• 2						· · ·		1.3.	5.
NE _	•6.	1.3	1.4						·		3.3	5
ENE	1.0	2.5	1.7	• 2							4.9	. 6
E	1.2	3.7	1.9	.1.							6.9	5,
ESE	2.5	3.2	1.4						·		1.2.	4.
SE	2.2	3.1	. 4								5.6	4,
SSE	7.	1.8			· <u> </u>				l 	· _ · .	3.2	5
	1.1.	3.2	1.0.	-1					·		- 44.	_ 5
SSW	1.1	3.1.		1				·	<u> </u>		5.1.	5
5W	. 4	1.4				<del></del>					2.6	
WSW	1.2	1.4	2.0	7	· · · · · · · · · · · · · · · · · · ·			·	·		5.4.	6
_w	1.3	4.3	6.6	1.6	i				·		13.7.	
WNW	8	2.0	4.4	1.3	<del>-</del>						8.6.	_1
NW_	6	1.7	1.9	1.0.				· •			_5.3.	1_
NNW	. 4	1.1	.5!								2.3	6
VARBL		. 2	8.2	1.9							10.4.	9
CALM		$\geq <$	$\geq \leq$	$\geq \leq$	$\times\!$		$\geq \leq$	$\geq \leq$		$\geq < \sqrt{}$	7.0	-, -
	15.5	35.6	34.3	7.9	.1						100.0	

2.7 SHOITAVESEO TO SERVING LATOR

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1.6873	GRAFENWOHR AAF DL	73-81		. MAR
STATION	STATION ALME		YEARS	MONTH
		ALL WEATHER		1500-1700
		CLA98		HOURS (LST)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥ 56		MEAN WIND SPEED
N	•6	1.1	. 4				1	i		•		2.0	4.
NNE	• 2	• 6	• 2						!			1.1	5.
NE	1.0	1.0	1.4			1			:			3.3	5.0
ENE	1,4	2.5	1.8						1			5.7	5.
E	2.3	5.0	1.8	•1		1			:			9.2	4.
ESE	2.4	3.0	. 8					1	:			6.2	4.
SE	3.0	2.0	• 2					,	<del></del>			5.3	3.6
SSE	2.4	1.4	• 2				-	•		•		4.1	3.
5	1.6	2.3	. 6			1				•		4.4	4.4
ssw	1.8	1.9	• 2									3.9	3.
sw	. 7	1.6	.6	•1		-						3.0	5.1
wsw	1.3	2.3	2.2	• 2			1		•	•		6.0	5.
w	1.6	6.1	6.0	1.4	. 1			1		<u> </u>		15.2	7.1
WNW	1.1	2.5	2.9	• 7	• 1	1	T	1	<del> </del>			7.3.	7.
NW	1.2	1.3	1.6	. 4			<u> </u>	1	!	1		4.4	5.
NNW	1.6	. 8	1.4			1		1				3.8	5.
VARBL		• 5	5.4	2.6			<u> </u>		1	;		8.5.	9.
CALM	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq <$	6.6	
	24.0	35.8	27.7	5.6	. 2							100-0	5.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 : OL-A ! PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIO WEATHER SERVICE/MAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENWOHR AAF DL	73-81	MAR
BTATION	STATION NAME	YEADS	BONTH
	ALL WE	ATHER	1800-2000
	Cr	446	HOURS (L S 7.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.7	. 7	-1			<del></del>		i				2.5.	. 3.
NNE	. 4	. 7	. 2	.1		<u> </u>						1.4.	5.
NE	1.7	1.6	• 2	•1		<u> </u>		1		*		3.6	4.
ENE	1.6	2.3	1.0	• 2		<u> </u>	-	<u> </u>				5.0	5.
E .	3.7	3.6	1.6	. 4		<u> </u>						9.2.	- 4.
ESE	3.1	1.1				!			•			4.2.	. 2.
SE	1.3				·	1	•					<b>1.3</b> .	2 .
SSE	. 8	2				-	•					. 1.1.	3.
5	1.6	. 4	1.			-		<b></b>				. 2.0.	
55W	1.6	. 6	1			<u> </u>						2.3.	3.
SW	1.2	. 6				·			·			. 1.8.	2
wsw	2.6	2.0	.1	2		1	<u> </u>	•	•	•		. 5.0	_ 1
w	4.7	4.3	2.5				<u></u> .	<del></del>	•			11.8	- 44
WNW	.8	2.6	1.2	5		·	<u> </u>	•				. 5.1	5.
NW	• 7	. 2				<del></del>	<u> </u>		•	<del> </del>		lel	
NNW	2.0	. 8				<u> </u>	1	·	<b></b>			2.9	2
VARBL	• 1	• 2	1.4	2		<u> </u>		· <del>-</del>		<u> </u>		2.1.	&_
CALM	$\supset \subset$	><	><	><	><	><		><	$\geq <$	><	><(	37.6	
	29.5	22.0	8.7	2.2				i		1		100.0	

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 687C GRAFENWOHR AAF DL 73-81 MAR NORTH
STATION NAME ALL WEATHER 2130-2300 HOURS (L.F.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEET
N	1.1	. 4										1,4	2.
NNE	7	• 1											2,
NE	1.1	1.2	. 2									2.5	3.
ENE	2.0	2.8	. 7	• 2								5.7	4.
E	4.7	3.4	1.7	• 1								9.8	4,
ESE	1.6	• 2										1.8	1
SE	• 2											• 2	2.
SSE	. 8	• 1					,					1.0	2
S	.8	. 7										1.6	3.
SSW	•1	• 1	. 4	• 1								• 7	6.
sw	• 7	. 6	• 5	. 1								1.9	4.
wsw	1.0	1.7	. 7			1						3.4	4
w	4.6	3.1	1.6	l								9.2	
WNW	1.1	1.7	1.0	.7								4.4	6
NW	. 5	. 4	• 2			<u> </u>	Ī					1.1	4
MMM	.8	• 2										1.1	2
VARBL		• 2	. 7	. 4								1.3	9
CALM	><	$\geq \leq$	$\geq <$	$\geq <$	$\leq$	$\geq$	$\geq$	$\geq <$	$\times$	$\leq$	><	52.0	
	21.8	16.9	7.7	1.7								100.0	2

TOTAL NUMBER OF OBSERVATIONS

GLORAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	ENWOHR	STATION	MAME			EATHER	-81		YEARS				LL LL
					COR	IDITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 · 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WING SPEEC
N		. 6	.1		· · · · ·		•—			·		. 1.6.	. 3.
NNE	. 4	. 4	•1	• 0			•						4,
NE	1.1	1.0	.6	• 1			<u> </u>	:	:			2.7	4
ENE	1.7	2.4	1.2				*	1	<del>                                     </del>			5.4	5
Ę	3.5	3.7	1.4	•1	_				<del></del>	•		8.7	4,
ESE	2.5	1.3	. 4									4.3	3
SE	1.6	1.0	• 1									2.7	3
SSE	8	. 7	• 2			Γ		i				1.8	3
S	1.2	1.4	. 3	• 0		Ĺ			•			3.0	4
55W	• 9	. 9	. 3	• 0		<u> </u>	·					2.2	4
SW	1.0	. 9	. 4			·			<b>i</b>		!	2.4	4.
wsw	1.3	1.8	1.2	. 3			i		: •	·	•	4.6	5
w	2.7	4.2	3.6	8	-0	<u> </u>		<u> </u>		1		. 11.4.	. 6
WNW	.9	2.0	1.9	. 7	. 0	L	<u> </u>	<u> </u>			• · •	5 . 4 .	6.
NW	,8	. 8	. 7	. 3	.0	<u> </u>		<u> </u>			•	2.6	5
NNW	1.0	6	. 3	0				ļ				2.1.	
VARBL	. 0	• 2	2.9	1.0	. 0	i	1	i				. 4al.	. 9.

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_6692

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 EB70	GRAFENWOHR AAF DL	73-61 YEARS	APR
	ALL WEAT	HER	0000-0280 HOURS (LEY)
	CONDITION		

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	   22 - 27	28 - 33	34 - 40	. 41 - 47	48 - 55	≥ 56	`	MEAN WIND SPEED
N	1.1	•1										1.3.	2.
NNE	. 4	. 8										1.1	3
NE	1.8	1.8	• 5			i — — —						4.0	. 3
ENE	1.9	1.5	•1				•					3.5	3
ŧ	1.5	. 9	• 3								··· · · ·	2.6.	3
ESE	. 4	. 4										. 8	3
SE	. 1											• 1	1
SSE	.5					1			•			.5	ារិ
5	. 5	• 5				1	•			**		1.0	3
SSW		. 4				1	!					. 4	5
SW	. 4	. 4				†			• •	•	-	. 3.	3
wsw	2.0	1.4	. 4			<del></del>	<del></del>				- •	3.8	3
w	3.3	2.4	2.4	. 4		•					•	8.4	5
WNW	.6	2.3	• 3	•1								3.0	4
NW	1.9	1.3	. 4	•1		1			• • • • • • • • • • • • • • • • • • • •	· · · ·		3.7.	4
NNW	1.8	1.0	. 4			1	!					3.2	3
VARBL	1	• 1	• 5	• 3		<del> </del>						9	
CALM		><			$\geq <$			><	><	><	>< [	60.9	9
	18.2	14.9	5.2	. 9					· · · · · · · · · · · · · · · · · · ·	%	· · · •	130.0	1

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATA WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

### SURFACE WINDS

(FROM HOURLY OBSERVATIONS)

1 687C GRAFENHOHR AAF DL 73-81

ALL WEATHER 0300-0503

CLASS HOURS (LST)

SPEED (KNTS) DIR.	1-3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.3	1.1	• 3									. 2.6.	3.6
NNE	5.	. 8	.1			·		: 				1.4.	3.6
NE	1.5	1.6	• 1									3.3	3.6
ENE	1.3	1.5	• 5									3.3	4.5
E	1.5	• 5				!				. ——		2.0	2.8
ESE	1.3											1.3	1.9
SE	. 4											4	1.3
SSE	. 3		• 1			·				• •		- 4	4,5
s	.6		• 1		1		•	•	•			8.	2.
SSW	. 5	.6					•		···	• •		1.1	3.4
SW	• 5	. 1			!	1	· ·					8	3.8
wsw	. 9	. 9				<del>•</del>	:		•			2.0	3.
w	2.8	2.5				!	!	·	•	••		7.8.	5.4
WNW	1.0	2.6	• 1		<del></del>		<del> </del> -			•		. 3.8.	9.1
NW	1.3	1.3	. 9		!	<del></del>	<del></del>			•		3.4	4.5
NNW	.9	1.0	•1		<del></del>	<del></del>	<del> </del>					2.1.	3.6
VARBL	<del> </del>		. 4		<del> </del>	<del> </del>							
CALM		><					><					62.9	_11.1
	16.4	19.6	5.2		1					Fr 37	· .	100.0	

TOTAL NUMBER OF OBSERVATIONS 793

USAFETAC FORM (48-5 OC+A PREVIOUS EDITIONS OF THIS FORM ARE OBSILIETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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1 May 1000

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

GRAFEHWOHR AAF DL 1 5870 73-81 06J0-0800 SPEED (KNTS) DIR. MEAN WIND SPEED 48 - 55 1.3 | 4.6 28 - 33 7 - 10 11 - 16 17 - 21 34 - 40 N . 5 1.1 1.9 4.3 NNE 1.3 3.3 1.6 1.9 4.4 4.8 ENE . 8 1.8 1.6 4.9 4.4 1.0 E 2.6 4.0 3,2 2.7 ESE 2.3 2.6 . 1 \_\_\_3 SSE • 1 . 4 4.0 5 1.1 1.9 3.9 . 5 1.0 SSW 4.3 1.5 . 5 .6 SW 4.3 1.9 1.5 WSW . 8 4.1 2.0 3.8 1.4 5.8 . 9 WHW . 6 1.5 3.3 5.5 2.5 NW 2.3 5.8 4.4 NNW •1 4.0 3.4 VARBL 9.9 1.3 49.4 CALM

TOTAL NUMBER OF OBSERVATIONS 797

GLOBAL CLIMATOLOGY BRANCH USAFETAC

AIR WEATHER SERVICE/MAC

VARBL

CALM

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u>.0</u>	GRAF	ENWOHR	AAF DL		73-81 YEARS									APR MONTH		
							EATHER							1100		
						CON	DITION		<del></del>							
[	SPEED (KNTS)	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND		
1	DIR.						: 		<u> </u>		· · · · ·			SPEED		
ŀ	N	2.1	1.5	6			·			·	<b>.</b>		<u>. 4.3</u> .	3.9		
L	NNE	1.3	1.6	• 5	1				<u> </u>	<u> </u>			3.5	4.6		
L	NE	1.1	1.6	1.0					Ĺ				3.8	5.0		
l	ENE	1.0	3.9	2 • 3	1		] ]			<u></u>			7.3	5.7		
ľ	E	2.3	4.5	1.8	. 4								8.9	5.4		
Γ	ESE	2.9	2.5	• 1	.1								5.6	3.6		
Γ	SE	2.4	1.9	• 3									4.5	3.5		
ľ	SSE	1.1	.1	• 3	.1								1.6	4.0		
ľ	S	1.0	1.4	• 3	1								2.8	4.8		
Ī	ssw	. 8	. 9	.6					!		!		2.4	5.8		
T	SW	• 5	1.3	.6	. 1								2.5	5.8		
ľ	WSW	• 8	1.9	1.6	.1						1		4.4	6.1		
t	w	1.9	3.8	4.4	1.3					·			11.3	6.7		
t	WNW	1.1	2.9	2.8	. 9	.4					·		8.0	7.2		

TOTAL NUMBER OF OBSERVATIONS

7.6

GLOBAL CLIMATOLOGY BRANCH

# SURFACE WINDS

USAFETAC AIR MEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENHOHR AAF DL	73-81 YEARS	APR
	ALL W	EATHER	1230-1400 HOURS (LST.)
	col	MOITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 · 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.0	2.2	1.2					<u> </u>	!			4.5	5.3
NNE	2.1	1.4	. 9									4.4	
NE	1.2	2.1	. 6			1						4.0	4.8
ENE	• 9	2.6	1.0	• 6		1						5.1	6.0
ŧ	1.6	3.2	1.5			i						6.4	5.0
ESE	1.9	3.1	1.2	.1								6.4	5.0
SE	. 4	1.5	1.0	- 1					Ĺ			3.0	6.3
SSE	1.1	• 5	• 2									1.9	3,6
5	1.5	1.9	1.5									4.9	5.1
ssw	1.0	. 5	. 4					1				1.9	4.1
sw	. 4	1.7	1.1									3.2	5.8
wsw	1.0	2.7	2.9	1		1						6.7	6.1
w	2.0	4.1	4.4	2.1		İ						12.6	7.1
WNW	1.4	3.7	3.6	1.4	1			1				10.2	. 7.1
NW	1.1	1.9	2.6	. 4								6.0	6.5
NNW	• 5	1.6	. 9	• 2								3.2	6.1
VARBL	. 1	. 2	9.9	1.0								11.2	8.8
CALM	><	$>\!\!<\!\!<$	><	$>\!\!<$	$> \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	><	4.4	
	19.2	35.2	35.0	6.1	. 1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC

AIP WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENHOHR AAF DL	73-81	APR
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1500-1700 HOURS (LST)
		COMPITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.3	3.8	1.1									6.2	4.9
NNE	2.0	2.3	. 3			1		1				4.5	3.8
NE	1.4	1.8	1.1	. 3		<u> </u>		<u> </u>				4.5	5.4
ENE	1.1	2.0	2.4		_			1	1			5.5	5.9
Ę	1.9	4.1	2.1			i						8.2	5.4
ESE	.9	2.6	• 6	. 3								4.4	5.4
SE	. 9	1.3	• 5						1			2.6	9.7
SSE	. 9	5	. 3						i			1.6	3.7
<u> </u>	1.1	2.0	. 3			ļ						3.9	4.3
ssw	1.3	1.0	. 4				<u> </u>	·	·			2.6	4.0
sw	. 4	1.8	. 6	1				:	<u></u>			2.9	5.5
wsw	. 8	2.5	1.4	1		<u> </u>						4.8	5.8
w	1.8	5.2	7.7	1.6	1			<u> </u>				16.3	7.1
WNW	1.3	3.5	3.1	1.1		<u> </u>						9.0	6.6
NW	.6	1.9	2.3	8			<u> </u>	i				5.5	7.5
NNW	1.8	2.5	1.6	1								6.0	5.3
VARBL			5.3	1.0	3							6.5	9.2
CALM	$\geq \leq$	$\geq \leq$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq <$	$\geq \leq$	5.3	
	19.2	38.7	31.3	5.4								100.0	- 5.7

TOTAL NUMBER OF OBSERVATIONS

796

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENWOHR AAF DL		APR MONTH
		ALL WEATHER	1800-2000 Houes (L 6 T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 · 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	•	MEAN WIND SPEED
N	4.3	3.3	- 4				1		1			8.0.	3.
NNE	2.3	2.0	. 3			1				·		4.6	
NE	3.0	1.8	. 8			ļ						5.6	3
ENE	2.4	2.1	. 4			!	1					4.9	3
Ε	4.0	2.5	• 5								-	7.1	3
ESE	1.1	. 8	•1						1			2.0	3
SE	• 5	• 5										1.0	3
SSE	• 5	. 3							1			. 8	3
5	1.1	• 5										1.6	2
SSW	1.6	i	•1						I			1.8	2
sw	. 8	. 8				Ţ					<del>-</del>	1.5	
wsw	1.6	. 9	1.0			!						3.5	4
w	2.7	6.4	3.9	. 5		!						13.5	5
WNW	1.8	2.7	1.8	. 5	•1							6.8	5
NW	1.4	1.3	1.4	.1								4.2	5
NNW	2.1	2.0	• 6									4.8	3
VARBL		• 1	1.3	. 8						<b>,</b>		2.1	9
CALM	><	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq <$	$\geq$	$\geq$	$\geq <$			26.2	
	31.9	27.9	12.5	1.9	.1							100.0	3

TOTAL NUMBER OF OBSERVATIONS 791

VARBL

CALM

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1:6873 GRAFENHOHR AAF DL 73-81 ALL WEATHER 2100-2300 SPEED (KNTS) DIR. MEAN WIND SPEED 1 - 3 7 - 10 17 - 21 2.1. 3.4 NNE 1.9 •1 2.8 2.8 1.9 2.5 NE 2.0 3.3 4.3. ENE 4.5 5.3 3.0 1.4 2.9 ESE 4.7 SE \$ .A. 2.2 1.0 •1 2.8 .9 SW 1.3 3.1 1.6 wsw 3.1 1.9 w 2.8 4.7 9.5 4.8 WNW .9 1.1 1.4 . 9 3.0 NNW 2.4 4.2 3.3

TOTAL NUMBER OF OBSERVATIONS 792

10.4

53.4

GLOBAL CLIMATOLOGY BRANCH USAFETAC

AIR MEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TO STATION STATION NAME TO STA

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	٠,	MEAN WIND SPEED
N	1.6		. 5									3.9.	4.1
NNE	1.4	1.2	• 3	• 0								2.9.	3.9
NE	1.7	1.8	.6	• 0								4.2	4.3
ENE	1.5	2.2	1.0	• 1								4.9	5.0
E	2.3	2.3	. 8	• 1						•		5.5	4.3
ESE	1.3	1.3	• 3	• 1					;			2.9	
SE	.6	.7	• 2	•0						•	•	1.5	4.4
SSE	.6	• 2	• 1	•0					• · ·	•	·- ·- · · ·	. 9	3.6
5	1.0	. 8		.0			•			•		2.1	4.2
\$SW	. 8	• 6		•0					•	•		1.6	4.0
SW	• 5	. 9							•	•	•	1.8	4.9
WSW	1.3	1.6	1.1			i	•		•			4.0	5.0
w	2.4	4.1	3.5	. 9	•0		·				•	10.9	6.2
WNW	1.1	2.5	1.7								•	6.0.	6.3
NW	1.4	1.7	1.4	• 3					,			4.7	5.6
NNW	1.6	1.6	. 6	•1						<del></del>		. 3.8.	4.3
VARBL	•0	• 1	3.1	. 7	• 1				i			3.9	9.2
CALM		$\geq $	$\geq \leq$	$\geq \leq$	$\geq =$	$\geq$	$\geq$	$\geq \leq$	$\geq$			34.3	
	21.2	25.4	16.1	2.9	2							300.0	3.4

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENHOHR AAF DL	73-81	MAY
STATION	STATION NAME		T' NE MORTH
		ALL WEATHER	0000-0200
		CLASS	HOURS (LST)
		COMPITION	

SPEED (KNTS) DIR.	1-3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
×	1.0	- 6	1									1.7.	3.
NNE	6	1				1	·	!				7 .	2.
NE	1.2	. 6					1		<u> </u>			1.8	
ENE	2.3	2.2	• 2			Ĺ						4.7	3.
E	2.9	2.8	• 6			1	1					6.3	3.
ESE	1.2	• 1										1.3	2.
SE	.1									I		1	2.
SSE	.1	. 2										. 4	4.
S	. 4						<u> </u>			ii		. 4	2.1
55W	. 5	i								<u> </u>			2.
SW	•2											.2	2.1
WSW	.6	. 5	1	1								1.3	4.1
_w	3.3	2.9	. 5					<u></u>				6.7	3.
WNW	1.3	2.3	. 5	1								4.4	4.
NW	. 9	1.1	. 2						İ			2.2	4.
NNW	1.2	. 4	.1							i		1.7	2.
VARBL			• 1									1	7.
CALM	><	><	><	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	><		><	65.3	
	17.9	13.9	2.6	.2	. 1							100.0	1.

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 687C GRAFENMOHR AAF DL 73-81 MAY
STATION STATION NAME

ALL WEATHER D300-0500
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 · 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.2	. 4					1					1.6	. 2
NNE	. 5	• 1										. 6	3,
NE	.7	• 2										1.0	3
ENE	1.3	1.9	. 4				·					3.7	4
Ε	2.4	2.6	. 6				i					5.6	4
ESE	1.9	• 2					1				'	2.2	1
SE	• 2											• 2	2
SSE		• 1										•1	4
\$	. 4	• 1				i						. 5	2
ssw	. 4											. 4	1
sw	• 2	• 2										. 5	3
wsw	1.7	. 4				1						2.1	2
w	3.2	3.3	. 7		1						•	7.2	3
WNW	1.1	1.2	. 9			i						3.2	
NW	• 2	1.1	• 2		<u> </u>	1					·	1.6	- 4
NNW	1.6	. 4			<u> </u>							1.9	2
VARBL			. 4	•1	<del>                                     </del>		<b></b>				•		- 9
CALM		> <	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$		67.2	
	17.2	12.3	3.2	1	L							100.0	1

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS R28

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

6870	GRAF	ENWOHR	AAF DE				73:	-81		YEARS				AY
		<b></b>	<del></del>			ALL W	EATHER				<del></del>		0600 Mount	-0800
		_				cos	NOITION				<del></del>			
ſ	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
r	N :	. 4	. 8										1.2	4.2
	NNE	. 5	• 6						<u> </u>			·	1.1	3.6
	NE	1.2	• 7	.1									2.1	3.5
[	ENE	1.0	3.1	_ • 5	•2							1	4.8	5.2
	E	3.0	3.9	. 8									7.7	4.3
	ESE	4.1	• B	• 1									5.1	2.7
	SE	2.8	• 2				Ι	I					3.0	2.0
Ĺ	SSE	1.2	1						ì				1.3	1.7
Ĺ	5	1.3	. 6	- 1									2.1	3.0
L	SSW	•1	. 1				L						2 و	4.0
<u> </u>	5W	- 6	1					L	1					2.7
Ĺ	WSW	1.9	1.7						L	 <del> </del>	<u> </u>		4.3	4.2
Ļ	w	2.3	5.2	2.2			<b></b>	<b></b>	ļ	· •	<u> </u>		9.8	5.2
<b>-</b>	WNW	1.8	1.8		1		<u> </u>			<u> </u>			4.6	4.6
1	NW	1.9	1.0	2					ļ	<del></del>			2.7	3.7
Į.	NNW	1.4	1.2					L	ļ		 <del> </del>		2.8	3.9
ļ.	VARBL			_ 1.1							<u></u>	·	1.2	8.9
L	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	$\geq \leq$	> <	><	><	><	><		45.3	
		25.1	22.1	6.8	7							E Trace.ser de er ™	100.0	2.3

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### SURFACE WINDS

USAFETAC AIR WEATHER SERVICE/MAC

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 GRAFENHOHR AAF DL 73-81 SPEED (KNTS) DIR. 1.2 4.3 1.0 1.8. 3.4 2.8 NE . 8 1.2 5.8 ENE 1.0 2.8 1.3 5,7 2.5 4.4 1.6 4.6 3.7 4.6 9.2 4.1 SE 2.4 3.2 6.1 4.2 SSE 1.8 . 5 2.2 4.4 1.9 1.7 1.0 SSW . 8 1.6 • 5 2.9 4.6 1.4 1.4 . 8 4.7 3.7 2.3 wsw 1.0 . 8 5.3 1.9 4.0 6.4 WNW 1.1 2.0 2.5 5.8. 6.1 1.9 6.2 1.2 • 5 3.6 2.0 5.3 4.1 VARBL 6.6 11.8

TOTAL NUMBER OF OBSERVATIONS 834

2

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENWOHR AAF DL STATION HANE	73-81 YEARS	MAY
		ALL WEATHER	1200-1400 HOUSE (LET)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.8	1.4	- 1	.1			<u> </u>					3.5.	. 3.
NNE	1.0	1.3							<u> </u>			2.3	3.
NE	-6	1.3	. 2	1					i			2.3	4.
ENE	-8	3.6	1.2	• 2								5.9	5.
Ę	2.4	3.8	1.2			Ĺ	i					7.4	4.
ESE	1.4	4.1	• 7	.1								6.4	4.
SE	. 7	2.0	7									3.5	5.
SSE	. 7	2.0	• 7	1								3.6	5.
5	1.3	1.8	1.0						I	1		4.1	. 9.
SSW	.8	1.8	. 8	1			[					3.6	5
sw	. 8	3.6	•7	.1						!		5.3	5_
wsw	1.2	2.0	1.7	. 5		!						5.4	6
w	1.7	4.6	5.0	1.0								12.2	6.
WNW	1.7	3.7	4.7	. 5	. 1	<u> </u>			!			10.7	6
NW	1.1	2.2	2.0						1			5.6	6
NNW	1.2	1.9	• 7									3.8	- 4
VARBL		• 2	9.4							!		10.0	8.
CALM	><	> <	><	$>\!\!<$	$\geq \leq$	><	$\geq \leq$				$\geq$	4.6	
	19.3	41.5	30.9	3.6								100.0	5.

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENWOHR AAF DL	73-81	MAY MONTH
2.2.1.02		ALL WEATHER	1500-1700 HOURE (LST)
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.3	2.0	• 6									4.0	4 4
NNE	2 • 3	1.8	. 1			<u> </u>						4.2.	. 3.
NE	2.2	1.3	. 6									4.1	4.
ENE	1.9	2.2	1.8	. 4		i		i				6.3	5.
E	3.0	4.3	1.7	• 2								9.3	4 . 1
ESE	1.9	2.4	. 8	• 1			•		:			5.3	4.
SE	1.3	1.4	• 5	.1								3.4	4.1
SSE	1.1	1.0	• 7				<del></del>		:			2.8	9.1
5	1.4	1.9	• 2				•					3.6	4.
ssw	1.2	1.7					•		•			3.5	4.
SW	1.0	1.3	• 2			†	•		•——	·—···		2.5	4.
wsw	1.0	1.8				-		•———	•	•		3.6	5.
w	1.7	7.1	4.1	1.0		1		:	•	• · · · · • • • • • • • • • • • • • • •		13.9	6.
WNW	1.2	4.1	4.0	1.0		1			,			10.2	6.
NW	1.0	2.5	3.1	•5		1	<b>†</b>		• • • • • • • • • • • • • • • • • • • •	•		7.1	6.
NNW	1.4	2.0	1.0						·			4.6	4.
VARBL		• 1	6.5	. 4		<del> </del>	İ			· ·		7.0	8.
CALM	><	$\geq \stackrel{.}{\leq}$	$\geq \leq$		$\geq \leq$	$\geq$	> <	$\geq \leq$	><		><	4.7	
	24.9	39.2	27.5	3.7								100.0	5.

TOTAL NUMBER OF OBSERVATIONS 830

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SFEED
N	2.7	1.6	.1	-1								4.5	3.4
NNE	1.5	• 6						·	<u> </u>			. 2.1.	2.9
NE	2.3	1.6			L	-			4			3.9	3.1
ENE	3.0	1.6	1.2		l	<u> </u>						5.8	4.1
E	6.0	5.2	. 9				!					12.0	3.7
ESE	2.3	1.8								•	• ——-	4.1	3.2
SE	.9	• 5	•1					1		•		1.5	3.3
SSE	• 7	. 4	• 1						*	•		1.2	3.4
S	1.9	. 7	. 1				•			• · · ·		2.8	3.2
SSW	.7	• 2	• 2				-				•	1.2	3.6
SW	1.1	1.0	. 4				·	·	·		•	2.9	4.4
wsw	1.5	1.0	• 5	•1		1	<del></del>	!		•	•	3.0	9.2
w	3.6	4.3			·	<del> </del>		<del></del>	<del> </del>		•	9.4	4.7
WNW	1.8	3.8				<del></del>					•	7.3	5.0
NW	1.2	2.4	1.5	-1	:	<del></del>		<del></del>	<del>,                                      </del>			5.2	5.6
NNW	1.2	2.3	• 7			<b></b>		<del> </del>	<b> </b>		<del>;</del> ————	4.3	
VARBL	***	- 400	2.1	•2		t	<del> </del>	<del></del>	<del> </del> -				4.6
CALM												2.3	8.7
CALM												27.0	
	32.4	28.9	10.8	. 9						İ		100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENWOHR AAF DL	73-81 YEARS	
		EATHER LISS	2130-2300
	COM	DITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAR WIND SPEED
N	• 5	- 4	• 1									1.0	3.
NNE	1.1								!			1.1.	2
NE	1.5	. 4	• 1									1.9	2
ENE	3.9	2.1	.7				,					6.7.	3
E	4.6	2.8								_	1	8.1	3
ESE	1.5	. 4										1.8	2
SE	- 1					i		,	!			•1	1
SSE	•2											. 2	1
s	.5				ļ	1			!	•		. 5	1
SSW	.4									·		. 4	2
sw	. 4	• 1		•1		<del> </del>					• ·· •	• 6	4
WSW	1.7	. 4				1				·		2.1	2
w	3.2	1.9	1.0		·	<del></del>		i	•	<del>-</del>		6.1	4
WNW	1.6	1.9								·		4.0.	. 4
NW	1.0	.6	. 4	• 2								2.2	4
NNW	2.2	.7	• 1		·							3.0	2
VARBL	† <del></del>		• 5			<del> </del>	<del>       </del>	·	:		•	2.5	7
CALM	><	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$		59.7	
	24.2	11.7	4.1									100.0	1

TOTAL NUMBER OF OBSERVATIONS

1 6870 GRAFENWOHR AAF DL

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-81

TATION			BTATION	MAME						TEARS			•	OWTH
		_					EATHER							LL
						•								
						сон	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥ 56	* .	MEAI WINS
	N	1.2	1.1	• 2	.0					i 		*	2.4.	
L	NNE	1.0	• 7	• 0					<u> </u>	L			1.7	3
[	NE I	1.3	. 9	.2	• 1								2.5	3
[ ]	ENE	1.9	2.4	. 9	• 1						:		5.4	4
ļ —	E .	3.4	3.7	1.0							i i		8.1	4
	ESE I	2.3	1.8	. 3	•0					† · · · · ·	•		4.4	3
	SE	1.1	. 9	•2			<u> </u>			ī	1		2.3	4
	SSE	.7	. 8	• 3	•0				<del>!                                    </del>		<del></del>		1.8	4.
	5	1.1	. 9	. 3					<b>†</b>	<del></del>	<del></del>		2.3	
<u> </u>	ssw	.6	.7	. 3	•0			-	1		1		1.6	4.
	sw	.7	1.0	• 3	•0				•	1	<del>†</del>		2.0	4.0
	wsw	1.3	1.3	. 6	. 1		<del>                                     </del>		• ————	<del></del>	1		3.2	4.
<u> </u>	w	2.6	4.3	2.3	. 4	.0			<del> </del>	<del></del>	<del> </del>		9.6	
-	WNW	1.5	2.6	1.9	• 2				<del>-</del>	·	<del>                                     </del>			5
<u></u>	NW	- 105					<del></del>		<del> </del>	<del></del>	<del></del>		6.3	5_
ļ	1444 1		1.5	1.2	. 2		L		1	<u> </u>			3.8	5

4.1

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENWOHR AAF DL STATION HAME	73-81	YEARS	JUN
		ALL WEATHER		0000-0200 HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 9	• 5	.1									1.5	. 3.
NNE	• 6						!	!				6	
NE	• 7									!		7_	1.
ENE	. 4	• 2					! !					•6	3.
E	1.4	. 2										1.6	2.
ESE	• 2						:					2	1.
SE	- 5								Ĺ	i		5	2.
SSE	• 2	• 1	• 1									• 5	3.
5	• 2	. 2	.1			L						•6	9.
55W	. 5	. 5		.1				1		L		1.1	4
sw	1.0					L	1	i				1.0	2
wsw	1.2	. 2							<u> </u>			1.5	2
w	3.9	2.6	1.0	• 2					i			7.7	_ 4
WNW	2.1	1.1	. 6									4.2.	4
NW	1.2	. 9	, 4									2.5	4
NNW	1.5	. 4	• 2									2.1	3
VARBL		ĺ	. 4									5	9
CALM		><	><	><	> <	$\supset <$			><	$\supset \subset$	><	72.4	
	16.7	7.1	3.0	. 9							News-alt	100.0	1.

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 GRAFENWOHR AAF DL 73-81
STATION STATION NAME
ALL WEATHER C300-0500
ROUSE (LASS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAR WIND SPEEC
N	. 9	. 4						1				1.2	2
NNE	. 4	- 1										. 5	
NE	- 4					<u></u>				<u> </u>		. 4	2
ENE	l	. 2										• 2	4
E	1.6	• 2	. 2									2.1	2
ESE	.6					L						.6	1
SE	. 4											. 4	. 1
SSE	. 4									;		. 4	2
5	• 2	. 4				<u> </u>						. 6	3
SSW	. 4	. 1										5	2
sw	. 9	. 7										1.6	3
WSW	.9	. 9	• 1			i						1.9	3
w	4.0	3.7	. 4			i						8.0	3
WNW	2.0	1.1	1.0	• 1								4.2	4
NW	1.2	9	. 4									2.5	3
NNW	1.9	. 6	• 1	.1								2.7	3
VARBL			• 2									2	7
CALM		$\geq \leq$	$\geq <$	><	$\geq$	$\geq <$	><	$\geq <$	><	><		71.9	
	16.0	9.4	2.5	.2								100.0	

TOTAL NUMBER OF OBSERVATIONS 80 8

2

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

810

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70 <u>G</u>	RAFENHOH	R AAF D	L			73	-81	<del></del>	YEARS				UN
			<del></del>		ALL Y	EATHER			<del></del>				-0800
					cor	NDITION				<del></del>			
SPEI (KNT	(S)   1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	<u> </u>	5 .6	•1	<u> </u>	<del></del>	<del> </del>	<del></del>					2.2	3.1
NN NN						<del></del>	<del> </del>	<del> </del>	<del>                                     </del>				2.8
NI				l		<del> </del>	·	<del></del>	<del>                                     </del>			6	3.2
ĒΝ						1	<del></del>			-		2.7	4.0
E	<del></del>			l			1	<del> </del>	<del> </del>	:		3.5	2.6
ES				<u> </u>		<del>                                     </del>		<del>+</del>	1	•		2.7	2.3
SE						†	•		·			1.9	2.1
\$5							1		<del> </del>	-		.7	1.5
5	1.	4 .5	• 2									2.1	3.2
\$51	w 1.											2.0	3.3
SV	v 1.	5 .6										2.1	3.1
ws			. 6			1		! •——				2.7	4.6
w	3.	1 6.3	2.6	. 4		İ	l	<u> </u>	<u> </u>	ļ		12.3	5.1
WN	w 1.	9 3.0	1.6			<u> </u>	<u> </u>	<u> </u>		ļ		6.4	5.1
NV						<del></del>				L		3.B	3.8
NN		0 .7		<u> </u>		ļ	ļ	<u> </u>	·	· · · · · · · · · · · · · · · · · · ·		2.8	3.0
VAR	BL		1.4	. 4			Ļ	<b>k</b>	Ļ.,	ئر	<	1.7	8.6
CAL	M >><	><	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	48.9	
	25.	3 17-7	7.4	. 7								100.0	2.1

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENWOHR AAF DL STATION HARE	73-81 YEARS	JUN
		ALL WEATHER	<u> </u>
	<del></del>	COMPLYAN	_

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥56		MEAN WIND SPEED
N	2,2	1.9	.6									4.7	4.1
NNE	.7	1.2	•1					<u> </u>				2.1	4.
NE	1.2	. 9	. 5					<u> </u>		1		2.6	4.
ENE	2.0	1.6	. 4									4.0	3.
E	2.5	2.6	. 4									5.4	4.
ESE	3.0	1.1										4.1	2.
SE	1.7	1.2	• 2									3.2	3.
SSE	2.4	1.0	.2									3.6	3.
5	2.5	3.3	•1									5.9	3.
55W	1.0	1.2	. 6									2.8	4.
sw	1.2	1.6	. 2									3.1	4.
wsw	1.0	3.8	1.4	.1			1					6.3	5.
w	2.8	7.4	5.3	. 9		,						16.5	6.
WNW	1.0	2.7	3.5	. 9						<b></b>		8.0	_6.
NW	1.0	2.0	2.0	•2			<b> </b>			·		5.2	5.
NNW	1.6	2.7	. 9		.1							5.3	4.
VARBL	-	• 2	3.2	.9	.1		<del> </del>			,		4.5	9.
CALM	><		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\times$	$\geq$	$\geq$	$\geq$	$\geq \leq$	12.6	
	27.8	36.6	19.7	3.0	.2							100.0	

TOTAL NUMBER OF OBSERVATIONS

2

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 BTATION	GRAFENHOHR AAF DL	73-81	YÉARS	JUN HORTH
		ALL WEATHER		1200-1400 HOURS (L.S.T.)
		CONDITION	<del></del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.6	• 5	•1					i			5.4	3.8
NNE	1.2	. 9	• 2									2.3	3.7
NE	. 7	1.6	. 5									2.8	4.6
ENE	1.5	1.5	. 5	1			]					3.5	
E	2.0	3.5	• 1				1					5.6	3.5
ESE	1.4	1.7	. 4									3.5	
SE	1.6	. 9	• 2									2.7	3.
SSE	1.1	1.0	• 1	•1			<u> </u>					2.3	4
5	1.6	1.6	.7									4.0	4.0
\$5W	1.4	2.2	. 6	• 1								4.3	
SW	• 7	3.1	. 9									4.7	5.2
wsw	1.0	2.0	1.0	• 2		1						4.2	6.5
w	1.7	6.5		1.5						•		14.8	6.6
WNW	1.0	4.2	4.0	2.0								11.1	7.2
NW	1.1	4.3	2.2	. 7								8.4	6.
NNW	2.5	3.0		•1					<del></del>			7.2	5.1
VARBL		. 4		1.1			·		!			9.8	8.
CALM	><	><	><	><	> <		$\supset <$	>			> < (	3.5	
	23.7	39.9	26.9	6.0								100.0	5

TOTAL NUMBER OF OBSERVATIONS 810

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TORRIGHTON

STATION NAME

STATION NAME

ALL MEATHER

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C

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.9	2.5	• 4									. 4.7	
NNE	1.7	2.3	.5									4.6	4.
NE	1.7	1.7	. 1									3.6	4.
ENE	1.7	2.2	. 4									4.3	4 . 1
E	1.4	3.3	.7									5.4	4.0
ESE	1.6	1.4	. 2									3.2	3.
SE	1.1	• 5	. 1									1.7	2.
SSE	1.0	. 4	. 4									1.7	4.
5	1.4	1.4	. 5					1				3.2	4.1
SSW	1.1	1.7	.2			ſ						3.1	4.
sw	.6	1.6	.7	. 1								3.1	5.
WSW	1.5	2.3	. 9									4.7	4.
w	3.0	5.6		1.7						··· ·		15.3	6.5
WNW	1.6	3.7	5.9	1.6			i	<del> </del>				12.8	7.
NW	2.1	2.2	3.8	.9			<b> </b>					9.0	6.
NNW	2.7	4.2	. 9	.1		1		<del> </del>				7.9	4
VARBL		• 2	5.7	1.1								7.0	8.
CALM			> <		> <					><	> <	4.6	
	26.0	37.3	26.5	5.6					`		<u> </u>	100.0	5.

ZOOITAYREE OF OBSERVATIONS 810

# SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

870	GRAI	ENWOHR	AAF DE				73	-81		TEARS				UN
		_					EATHER		<u> </u>					-2000
		_				coe	DITION				<del></del>			
[	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 · 55	≥ 56	*	MEAN WIND SPEED
	N	4.7	2.0								-		6.7	2.7
	NNE	2.7	1.2	• 2									4.2	3.1
	NE	2.0	1.0										3.0	2.6
L	ENE	2.5	. 7	. 6						<u> </u>			3.8	3.5
L	E	3.0	2.5	. 5							·		5.9	3.4
L	ESE	2.2	.6	• 2						Ļ			3.1	3.2
l	SE	. 9	• 2	. 5			ļ 			<b> </b>			1.6	4.2
ŀ	SSE	. 5	. 4							<u> </u>			9	3.0
ļ	s	1.2	. 7							<del></del>	<u> </u>		2.0	3.2
ŀ	SSW_	1.1	• 5	•1			<u> </u>			;			1.7	3.3
ŀ	sw	1.1	• 1				·			<del></del>	<u></u>		1.6	3.6
⊦	wsw	1.5	1.6	. 7			<del> </del>						3.8	4.6
ŀ	WNW	2.3	5.3	2.8 3.1	•5						<del> </del>		13.0	4.9
-	NW	1.9	4.6	1.9	. 4					-	-		10.4	5.5
1	NNW	3.7	3.1	.9	• 2					<del></del>	<del>                                     </del>		7.7	5.3
- }	VARBL		301	1.1	.4					<del></del>	<del>                                     </del>	<del></del>	1.5	3.8 9.2
<b> </b>	CALM		$\sim$	$\Rightarrow \Rightarrow$		>	> <	>		>			20.7	<del>Y•</del> &
Į		35.6	29.1	13.1	1.5								100-0	3.9

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NNE	_	GRAF	ENWOHR	STATION				73	-81	<del></del> -,	PEA RS				JUN
SPEED			_				ALL W	EATHER						2100	2300
(KNTS)   1 · 3							con	DITION				_			
(KNTS)	٢	SPEED	_										<del></del>		MFAN
NNE	L	(KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND
NNE	Г	N	2.0	5	.1									2.6	2.8
ENE	C	NNE												1.1	
# 1.0 .7 .1		NE	1.0	• 2										1.2	
E 1.4 .7 .1 .2.2 3.1  ESE 1.1 .1 .1 .1 .1 .1 .2.2.3  SE .2 .1	Γ	ENE	2.0	. 4					i					2.4	2.1
SE     02     01     .4     2.7       SSE     .5     .5     1.8       S     1.6     .1     1.7     2.4       SSW     .7     .2     1.0     2.6       SW     .6     .2     .9     3.1       WSW     1.7     .5     2.2     2.7       W     4.3     3.3     .5     8.2     3.4       NW     1.5     1.2     1.0     3.5     4.2       NNW     2.5     1.2     1.0     2.8     3.6       NNW     2.5     .5     2.8     2.7       VARBL     .5     2.8     2.7       CALM     64.7     .5	Е	E	1.4	.7	•1						L			2.2	
SE       .2       .1         SSE       .5         S       1.6         SSW       .7         SW       .6         .2       .2         SWW       1.7         .5       .9         .9       3.1         WSW       1.7         .5       .2         .2       .2         .7       .8         .2       .2         .5       .5         .6       .5         .5       .5         .6       .7		ESE	1.1		.1							L		1.2	2.3
\$ 1.6 .1	L	SE	• 2	• 1						L				, 4	
SSW   .7   .2     1.0   2.6	L	SSE	5											. 5	1.6
SW     6     0.2       WSW     1.07     0.5       W     4.03     3.03     0.5       WNW     1.02     1.02     1.00       NW     1.5     1.02     1.01       NNW     2.03     3.05     4.09       VARBL     0.5     0.5     0.5       CALM     0.5     0.5     0.5	L	5	1.6	.1						L		!	L	1.7	2.4
WSW 1.7 .5	L	\$5W	.7					L		İ				1.0	2.6
W 4.3 3.3 .5 8.2 3.4 WNW 1.2 1.2 1.0 3.5 4.9 NW 1.5 1.2 .1 2.8 3.6 NNW 2.2 .5 .1 2.8 2.7 VARSE .5 11.5	L	SW		. 2						L				. 9	3.1
WNW 1.2 1.2 1.0 3.5 4.9  NW 1.5 1.2 .1 2.8 3.6  NNW 2.2 .5 .1 2.8 2.7  VARSE .5 11.5  CALM .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	L	wsw						L	ļ <u>.</u>		<u> </u>	!		2.2	2.7
NW 1.5 1.2 .1 2.8 3.6  NNW 2.2 .5 .1 2.8 2.7  VARSI .5 11.5  CALM .5 .5 .5 .5 .64.7	L	w							<b></b> _		<b></b>	<u> </u>		8.2	3.4
NNW 2 • 2 • 5 • 1	L	WNW			1.0			<u> </u>	L	<b></b>				3.5	4.9
VARBL 0.5 11.5 CALM 64.7	L					L		<u> </u>		L				2.8	3.6
CALM 64.7	L		2.2	.5	•1		<u> </u>	ļ				!		2.8	
	L	VARBL				• 5									11.5
		CALM	$\geq \leq$	$\geq \!\!\! \leq$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	><	64.7	

TOTAL NUMBER OF OBSERVATIONS 808

2

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106870	GRAFENWOHR AAF DL	73-81	NUL
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	ALL
		CLASS	HOURS (L S T.)
			_
		COMPLITION	

SPEED (KNTS) DIR.	1.3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	2.1	1.2	• 2	• 0								3.6	3
NNE	1.1	. 8	• 1				!					2.0	3
NE	1.0	. 7	1						I			1.9	3
ENE	1.4	1.0	• 3				:					2.7	3
E	2.0	1.7	• 3									4.0	3
ESE	1.6	.6	• 1									2.3	3
SE	1.0	. 4	. 1									1.5	
SSE	. 9	. 4	• 1	•0								1.3	3
\$	1.3	1.0	• 2									2.5	3
SSW	. 9	. 9	• 2	•0								2.1	4
sw	1.0	1.0	• 3	•0								2.3	4
Y 5W	1.2	1.5	.6	•0		i						3.4	4
w	3.4	5.1	2.8	.6								12.0	5
WNW	1.6	2.7	2.6	• 7								7.6	6
NW	1.5	2.2	1.4	. 3								5.3	5
NNW	2.3	1.9	.6	•0	.0							4.8	4
VARSL		• 1	2.5	. 6	.0				T			3.2	8
CALM	$\geq <$	$\geq <$	$\geq <$	$\geq \leq$	$\geq$	$\times$	> <	$\times$	><		><	37.4	
	24.3	23.4	12.7	2.3	.0							100.0	3

TOTAL NUMBER OF OBSERVATIONS 6468

# SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1-6870_	GRAF	ENWOHR	AAF DE				73-	-81		TEARS				UL
3141.00		_				ALL W	EATHER		·				٥٥٥٥	-0200
		_				COA	IGITION							
						,								
	SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	3.	MEAN WIND SPEED
	N	. 4									<del></del>		4	2.3
ĺ	NNE	1												
[	NE	. 8									†		. 8	1.6
[	ENE	.4											. 4	2.3
[	ŧ	. 6	• 1										.7	2.5
[	ESE	•5	. 1	.1									• 7	3.3
[	SE	. 1											• 1	1.0
[	358		• 1								!			5.3
[	S	. 4				,			!				. 4:	2.0
	55W	1.0	_ • 5										1.4	2.7
	SW	1.4	. 8										2.3	3.2
[	wsw	2.0	2.7	. 4							Ì	l	5.1	3.9
ł	w	4.8	3.6	1.0	• 2								9.6	4.1
	WNW	1.1	• 5	7	. 4							:	2.71	6.0
- [	NW	1.1	1.3	• 2									2.7	4.0
	NNW	1.1	• 5	• 1							*		1.7	3,5
i	VARSL			. 4						L			4	8.0
	CALM	$\geq \leq$	$>\!\!<$	><	$\times$	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq$			70.6	
		1							T					

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-81 136875 GRAFENWOHR AAF DL ALL WEATHER COMPITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 6	• 2	• 1									1.0	3,
NNE	. 1					<u></u>						• 1	2.
NE	• 1	• 1				i		i				• 2	3.
ENE	• 6											.6	1
E	1.3	• 2										1.6	2
ESE	• 5								1			. 5	2
SE													
SSE	. 4											4 .	2
S	1.3				<u> </u>	Ī						1.3	_1
ssw .	• 5	• 2							i 			• 7.	3
sw	1.4	1.2	•1									2.8	3
wsw	1.9	2.9	. 4									5.2	4
w	4.1	3.0	1.1	. 4	1	1						8.5	4
WNW	.7	1.2	.8									2.8.	5
NW	1.9	. 4				Ī		I				2.3	2
NNW	1.3	• 2			!		]					1.6	2
VARBL								1					
CALM		$\times$	><	$\geq \leq$		$\geq <$			><		$\geq <$	70.5	
	16.8	9.7	2.5	. 4								100.0	

TOTAL NUMBER OF OBSERVATIONS 831

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION STATION AAF DL 73-81 JUL STATION NAME AAF DL 73-81 YEARS NOOTH NOOTH CLASS NOOTH NOOTH CLASS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	; 34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 2												. 2.
NNE	• 5	2	<u></u>										3.
NE	. 5	. 1						<u> </u>				6	2.
ENE	.5				•							• 5	2.
E	. 8	. 4										1.2	2,
ESE	1.6	. 4						1				1.9	2,
SE	1.0	• 1										1.1	2.
SSE	2.0	. 1						·				2.2	2
5	1.7	1.2										2.9	3.
SSW	1.2	•6	• 2									2.3	3.
sw	1.2	1.8										3.0	3,
wsw	2.8	2.4	. 8			i .			T			6.0	4
w	3.7	6.7	3.5	.6								14.6	5,
WNW	1.7	2.2	2.2	- 1		i			·	i		6.1:	5
NW_	1.2	2.0	. 7									4.0	4.
NNW	1.7	1.1			1							2.8	3
VARSL			.1						!			• 1	7,
CALM	$\supset \subset$	> <	><	$\geq$		><	><					50.1	
	22.3	19.4	7.6	.7						7	,	1 100.01	2.

TOTAL NUMBER OF OBSERVATIONS 831

USAFETAC FORM G-8-5 OL-4 PREVIOUS EDITIONS OF THIS FORM ARE OBSULET

....

	AD-A12		TECHN	ICAL AP		ONS C	LIR FOR	CE ENVI Cott A.	UNIFORM ROMMENTA . 03 SI	NL EP 02	_	15	17
	UNCLAS	317160	USAFE	AC/US-	92/U\$2	201.44	)-E960	210		0 4/2	NL		
		i	T		1	<u> </u>							
	-+ -	<del>}</del>	+			+							
	ľ												
		<del>-</del>	+	+	_			4					
_		4											

П



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS - 1963 - A

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENHOHR AAF DL	73-81	JUL
STATION	STATION NAME	YEARS	MORTH
		ALL WEATHER	1200-1400
		CLASS.	HOURS (LST)
		· · · · · · · · · · · · · · · · · ·	
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.1	2.2	• 7	• 1				i		:		4.1	5.0
NNE	. 7	1.2										1.9	4.3
NE	. 8	. 8	• 1									1.8	3.5
ENE	. 7	1.3	• 1			i				,		2.2	3.9
ŧ	1.0	1.3	.7				i					3.0	4.8
ESE	. 5	1.0										1.4	4.3
SE	1.0	• 7	. 4				1					2.1	4.2
SSE	1.1	.6	• 1				<u> </u>	i				1.8	3.5
S	1.8	1.9	.7									4.5	4.3
SSW	.7	1.2	. 8									2.8	5.1
SW	.6	1.8	. 6									3.0	5.1
wsw	1.4	5.0	2.8	. 4					!	· <del>1</del>		9.5	5.9
w	2.3	9.4	9.2	1.1	• 1					•		22.1	6.6
WNW	1.4	5.3	7.1	1.0						; · · · · · · · · · · · · · · · · · · ·		14.9	6.9
NW	1.0	2.7	5.2	.8								9.7	7.3
NNW	1.2	2.7	2.1	•2			i					6.2	5.7
VARBL		• 1	4.6	. 4			1			<del></del>		5.1	8.6
CALM	><	> <	><	><	> <	$\supset <$		><	$\supset <$	><	><	4.0	<del></del>
	17.4	39.3	35.3	4.0	• 1						·	100.0	5 . 6

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 GRAFENWOHR AAF DL 73-81 JUL

STATION HAVE STATION HAVE

ALL WEATHER 1500-1700

CLAMM HOURS (LET.)

NNE NE ENE	1.0 .5	.7 1.2 .7	• 2				·				2.3 1.7 1.8	4
ESE SE	1.4 1.1 1.0	2•2 •7									3.9 1.8 2.2	3
SSE S	1.3	1.0 1.9	• 5 • 8								2.8 3.7	4
SSW SW WSW	1.0 1.1 1.2	1.1 2.0 3.7	.4 .7 2.6	•2			<u> </u>		•		2.4 3.9 7.8	4 5
w www	2.5	8.9 5.7	8.5	1.3				<del> </del>			21.3	6
NW	1.8	4.6 3.7	1.2	. 4	1						8.3 7.1	
CALM	$\geq <$	$\geq <$	3.1	1.0	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq \downarrow$	><	4.1 6.0	
	18.2	41.6	29.7	4.3	1						100.0	

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

IR WEATHER SERVICE/MAC PERCENTAGE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENWOHR AAF DL	73-81		JUL
STATION	STATION NAME		YEARS	40114
		ALL WEATHER		1800-2000
		CLASS		HOURS (E S T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	2.2	1.4	. 8			İ	i			·		4,5	4.1
NNE	1.3	1.1	•1									2.5	3.4
NE	1.1	• 2	. 1									1.4	3.1
ENE	1.6	• 2										1.8	2.3
E	1.6	• 6										2.2	3.1
ESE	1.7	• 1										1.8	2.1
SE	.6	• 5					,					1.1	
SSE	1.2	• 1							<del>                                     </del>			1.3	2.4
S	1.4	1.6				1						3.0	3.6
ssw	1.1	. 7	• 1							1		1.9	3.3
sw	1.4	.6										2.1	3.1
wsw	2.2	2.3	1.3	• 1		1						5.9	4.9
w	5.3	7.1	5.2	• 2		1						17.9	5.2
WNW	2.3	5.7	3.4			1						11.3	5.4
NW	2.2	3.7	.6			:			!			6.5	4.0
NNW	2.9	1.8	. 8			1				<del> </del>		5.5	4.1
VARBL		•1	1.1	• 1			1			· ·		1.3	8.3
CALM	$\supset \subset$	> <	> <	><	> <			> <	$\supset <$	><	> <	27.9	
	30.0	28.0	13.6	. 5								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 8.25

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SPEED | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE | NEE

N	1.3	• 6	. 1				1				2.1	3.2
NNE	. 4	• 1					1				• 5	2.5
NE	• 5										. 5	2.0
ENE	1.2	. 2									1.4	2.3
E	1.0	• 2					:			•	1.2	2.4
ESÉ	• 5	• 1					1				. 6	2.2
SE	• 1						:	1			• 1	2.0
SSE	. 4	• 1									• 5	2.3
5	1.1	. 4									1.4	3.1
SSW	.7	• 2	. 1								1.1	3.4
sw	1.2	. 7	•1				!				2.1	3.2
WSW	2.3	2.3									4.6	3,6
w	4.8	3.0	1.2	. 4							9.4	4.1
WNW	. 8	2.3	1.2								4.3	5.6
NW	1.1	• 2	. 1	• 1							1.6	3.5
NNW	1.4	• 5	. 4	• 1							2.4	4.3
VARBL			4	. 1							• 5	9.3
CALM		><	><	$\times$	$\geq <$	><	><	><	$\geq$		65.7	
	18.8	11.1	3.6	. 7							100.0	lai

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION GRAFENWOHR AAF DL 73-81

STATION STATION HAME

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	`	MEAN WIND SPEED
N	• 9	1.0	• 3	.0.								2.3	3.
NNE	.6	. 5	•1									1.2	3.
NE	•6	. 4	• 0					1				1.1	3
ENE	.8	• 5	• 0									1.3	3
ŧ	1.2	. 8	• 1			1.						2.1	3
ESE	1.0	. 4	. 1									1.5	3
SE	.7	. 4	• 1									1.1	3
SSE	1.1	. 3	. 1									1.6	3
5	1.3	1.2	. 2						Ι			2.7	3
55W	1.0	. 9	• 3									2.1	3
sw	1.2	1.4	. 3					i .				2.9	4
wsw	2.0	2.9	1.3	• 1								6.3	4
w	3.7	6.7	4.8	. 6	•0	L						15.4	5
WNW	1.5	3.4	3.4	. 4								8.7	6
NW	1.3	2.3	1.5	• 2	• 0					!		5.2	5
WMM	1.7	1.6	. 6	.1								4.0	4
VARBL	•0	• 0	1.6	.2								1.9	8
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	><	$\geq \leq$	38.7	
	23.4	29.4	14.9	1.7	• D							100.0	

TOTAL NUMBER OF OBSERVATIONS 6639

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 GRAFENWOHR AAF DL 73-81 AUG 0000-0500 SPEED (KNTS) DIR. MEAN WIND SPEED 1.0 2.6 .1 1.0 .6 1.4 NNE NE .6 ENE ESE SE SSE SSW .1 2.0 • 2 3.2 SW 1.2 wsw 1.9 3.4 4.4 3.7 2.9 5 e 4 ! . 8 WNW 1.9 . 4 3.1 1.1 2.0 3.9 . 8 •1 NNW 1.0 . 4.4 .8 VARBL CALM

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 :OL-A+ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC

GRAFENHOHR AAF DL

# SURFACE WINDS

AIF WEATHER SERVICE/MAC

1 6870

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-81

	_					EATHER						030	<b>7-050</b> 0
					•	LASS						HOAE	B (L S T.)
	_					DITION							
						191110#							
	_												
SPEED	1				1	Τ		T	T	. 1		<del></del>	
(KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND
DIR.									!			1	SPEED
N	. 4	• 2	•1							<del></del>		7	3.
NNE	. 1	• 1			i							. 2	3.
NE	• 2								1			• 2	2.0
ENE	- 5											. 5	1.8
ŧ	1.1											1.1	2.7
ESE	. 7	- 1										. 8	2.0
SE	• 2											• 2	
SSE	•2	- 1											. 2.1
S		• 1			Ĺ							1	5.1
SSW	•1	• 2				<u> </u>			• · <del></del> -	i		. 4	3.
sw	.6	. 4					Ĺ					1.0	2.
wsw	. 8	. 7						T	<u> </u>			1.6	3.
w	3.3	1.4	. 7			<u> </u>			•			5.5	3.
WNW	1.2	1.7	. 5					!				3.3	
NW	1.1	. 8	. 7	-1		<b></b>			•		•	. 2.1	Sei
NNW	• 5	• 5								•		1.0	3.
VARBL			. 4										
C41.44											·	70.0	

TOTAL NUMBER OF OBSERVATIONS

831

2

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 GRAFENWOHR AAF DL 73-81 AUG WEATHER 0600-0800 MEAN WIND SPEED SPEED (KNTS) DIR. 7 - 10 ≥ 56 17 - 21 28 - 33 41 - 47 ; 48 - 55 1 - 3 22 - 27 4.2 NNE . 6 1.6 3.0 ENE 1.0 1.6 3.1 E 2.6 1.1 2.8 2.1 1.7 ESE 2.3 . 1 2.4 SE 1.2 1.2 358 1.0 1.0 1.8 1.2 . 1 1.3 2.1 . 8 . 1 . 2 1.2 3.3 SSW . 5 1.0 3.0 SW 1.0 1.8 3.7 WSW 3.2 1.9 2.2 1.2 5.3 WNW 1.1 1.7 1.0 3.7 4.9 1.4 . 8 3,4 2.2 NW 4.7 NNW .4 1 . B .5 9.3 VARBL 66.1 CALM

TOTAL NUMBER OF OBSERVATIONS 836

100.0

1.9

2.3

1.4

NW

NNW

CALM

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<b>7</b> 0	ERAF	ENWOHR					73	-81						UG
<b>D48</b>		_	STATION	HAME			EATHER			PEA RS	<u>_</u>		3930	) - 1 1 0 0
		_				coı	NOITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
	N	•8	. 4	• 2		-							1.4	3.7
	NNE	1.0	• 5	• 1					1				1.6	3,6
Γ	NE	• 6	. 7	• 2									1.6	4.3
	ENE	2.4	1.3							İ			3.7	3.1
	E	4.2	3.1	• 5									7,8	3.8
L	ESE	2.7	3.8	1.0						<u> </u>			7.5	4.3
L	SE	2.7	1.8	.6			<u> </u>						5.1	3.7
L	SSE	3.6	1.3	• 1					i 	<u> </u>	: 		5.0	3.0
L	<u> </u>	3.2	1.3	.1					<u> </u>	i			. 4.7	3.0
Ĺ	ssw	1.7	1.3				ļ		l 	i			3.0	3.3
L	sw	1.4	1.6	. 4							<u> </u>		3.3	4.0
L	wsw	2.3	1.8	1.1	.1	ļ							5.3	4.5
L	w	2.0	5.5	2.9	. 6		<u> </u>			!	<u> </u>		11.0	5.7
- [	Manue	2 8	3 0							1	1	,	70 44	1

TOTAL NUMBER OF OBSERVATIONS 837

5.1

3.0

18.9

USAFETAC FORM 0-8-5 (OL-A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENWOHR AAF DL	73-81	YEARS	AUG
	AL	L WEATHER		1200-1400 HOURS (LET)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.9	1.0	• 6									3.5.	4.
NNE	1.1	. 8	. 4									2.3	4.
NE	.7	. 6	. 1						Ī			1.4	3.9
ENE	1.1	1.4					I					2.5	3.0
E	2.2	3.3	. 8	. 1								6.5	4.
ESE	1.9	3.0	. 8									5.7	4.5
SE	2.2	2.9	.7								<b>.</b>	5.7	4.
SSE	2.2	1.1	.7				i					3.9	4.5
5	2.0	2.4	. 8				i	<u> </u>		!	<del></del>	5.3	4.2
ssw	1.7	2.0	. 5						İ			4.2	4.3
sw	1.7	1.3	. 4									3.3	40
WSW	1.7	2.9	1.6								!	6.1	4.5
w	2.9	6.8	6.2	1.3					İ			17.2	_ 6.3
WNW	2.3	4.1	3.0	• 1								9.4	5.6
NW	1.1	3.6	1.4	• 2		L		<u> </u>				6.3	5.5
NNW	1.2	1.8	. 6	•1					L		!	3.7	4.6
VARBL		• 5	5.5	• 2	. 2	•1	L					6.6	_6.6
CALM	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$		$\geq \leq$	><	$\geq \leq$	><	$\geq \leq$	6.2	
	27.6	39.5	29.2	2.2	• 2	.1						100.0	945

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM  $_{AR-6d}$  (0-8-5 (QL-A.) Previous editions of this form are obsolete

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 GRAFENHOHR AAF DL 73-81 ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	2.0	1.6	1.0									4.5	4.3
NNE	1.9	. 7	• 1				1		Ī			2.8	3.2
NE	1.0	1.1	. 4						I			2.4	4.4
ENE	1.2	1.8	• 1				1					3.1	4 . D
E	1.9	3.2	• 8									6.0	4.5
ESE	2.0	3.2	. 7				:					6.0	4.5
SE	1.1	2.8	• 5									4.3	4.7
SSE	1.3	1.2	• 1									2.6	3.9
5	1.1	1.7	• 2							· · · · · · · · · · · · · · · · · · ·		3.0	4.2
SSW	1.2	1.6	•1									2.9	3.8
SW	1.4	1.8	. 4							•		3.6	4.0
wsw	2.5	3.1	1.1									6.7	4.4
w	3.5	4.8	3.6	.6					1			12.4	5.7
WNW	1.4	4.7	3.9	1.0			1			!		11.0	6.6
NW	1.7	4.8	2.6	. 4					<u> </u>	· · · · · · · · · · · · · · · · · · ·		9.4	5.7
NNW	2.4	2.4		•1						<del></del>		5.6.	4.1
VARSL		. 4	4.9	. 8	•1					1		6.2	8.8
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq $	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq <$	$\leq$	7.4	VIV
	27.6	40.7	21.3	2.9	1							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 836

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6370 STATION	GRAFENHOHR AAF DL	73-81 YEARS	A U G
	ALL	WEATHER CLUSS	1800-2000
		COMDITION	

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥ 56	•	MEAN WIND SPEED
N	2.4	. 8	•2									3.5.	2.
NNE	2.0	. 4	• 1									2.5	2.
NE	1.0	• 2				I						1.2	2.9
ENE	1.3	• 6	• 1			1						2.0	3.
E .	4.5	1.4				1	!					6.3	2.
ESE	1.9	. 8	• 1				•		:			2.9	3.
SE	1.3	• 5						,	!	•		1.8	2.
SSE	.6	• 2								·		• 9	3.
S	1.1	. 7										1.8	3.
55W	• 5	. 4										• 8	3.
sw	2.4	• 5										2,9	2.
WSW	1.7	1.3	. 1			-				•		3.1	3.5
_w	3.7	4.3	2.0	_ • 1								13.2	4.6
WNW	1.4	2.6	1.9	• 1								6.1	5.4
NW	2.0	2.9	1.2									6.1	4.1
NNW	3.8	1.7	• 2									5.7	3.5
VARBL			• 8	. 4				1				1.2	9.5
CALM	><	$\geq <$	$\geq <$	><	$\geq <$			$\geq \leq$	><	$\geq <$	><	41.5	
	31.7	19.4	6.9	. 6								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM (1865 - OL-A PREVIOUS EDITIONS OF THIS FORM ARE DESCRIPE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

A 6870	GRAFENWOHR AAF DL	73~81	A U G
		ALL WEATHER	2100-2300 Houes (LST)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 6	, 5										1.1	3.0
NNE	• 5											. 5	2.0
NE	1.2				i							1.2	1.8
ENE	1.2	1				!			!			1.2	1.9
ŧ	1.4	• 1				1				i		1.6	2.3
ESE	• 6	. 4					?	1				1.0	2.9
SE					i		:						
SSE													
S	.5	• 1	. 1									.7	2.8
SSW								· · · · · ·					
sw	• 2	• 2									"	. 5	3.8
wsw	1.3	1.2	• 1								*	2.6	3.8
w	3.1	2.8	. 6			,						6.5	3.7
WNW	1.0	1.3	• 2									2.5	4.2
NW	1.8	• 1					<u> </u>					1.9	2.0
NNW	1.3	1.1		i	1							2.9	3.3
VARBL			.7				1	i		'		. 7	7.7
CALM	$\supset \subset$	><	> <	>	$\geq$	$\supset$	$\supset$		$\times$			75.7	
	14.7	7.8	1.8								n uruma ma	100.0	

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENHOHR AAF DL	73-81 YEARS	AUG HONTH
	<del> </del>	ALL WEATHER	HOUPE (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥ 56	•	MEAN WIND SPEED
N	1.2	. 6	. 3									2.1	. 3.
NNE	. 9	• 3	• 1			<u> </u>	!	: 				1.3.	3.
NE	.7	• 3	• 1									1.1	3.
ENE	1.2	. 7	•0			I						1.9	3.
E	2.4	1.6	• 3	•0					I			4.2	3.
ESE	1.5	1.4	• 3									3.3	3.
SE	1.1	1.0	• 2				1	i				2.3	3.
SSE	1.1	• 5	• 1				I					1.7	
5	1.2	• 8	• 2					:	<u> </u>			2.1	3.
ssw	. 8	. 7	• 1					i				1.6	3.
sw	1.1	. 6	• 1				<u> </u>					2.0	. 3.
wsw	1.7	1.6	. 6	• 0			i					3.8	
w	2.8	3.8	2.3	. 3								9.2	5.
WNW	1.6	2.5	1.6	• 2				I				5.8	S.
NW	1.6	2.1	1.0	• 1								4.9	5.
NNW	1.6	1.2	. 4	.0				Ţ	1			3.3	
VARBL		• 1	1.9	•2	_,0	•0		i				2.3	8.
CALM	$\supset \subset$	><	> <	$\geq \leq$	> <	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq <$	47.1	
	22.2	20.1	9.6		٥٥	-0			l			100.0	2.

TOTAL NUMBER OF OBSERVATIONS 6691

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENWOHR AAF DL STATION HAME	73-81 YEARS	SEP
		ALL WEATHER	0000-0200 HOURS (LST.)
		COMDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 2											2.	. 2.
NNE	• 1												2.
NE	• 2	• 1	i			Ī			i		·	4	
ENE	.6					]						.6	2.
E	1.2	• 1	• 1									1.5	2,
ESE	.7	• 1										. 9	2
SE	• 5											• 5	1
SSE	.6	• 2	•1									1.0	3,
5	. 7	• 1										• 9	
ssw	. 4	• 2							i			.6	3.
sw	•5	. 9			····		1	•	•			1.4	4
wsw	•5	• 6				1		1		·		1.1	3
w	3.6	3.6	1.5	.1		i			•			8.8	
WNW	1.0	1.2	.5	.1		<del>                                     </del>	<u> </u>					2.9.	4
NW	1.1	. 7	. 4			<del> </del>			•			2.2	4,
NNW	1.5	• 6	• 1			1						2.2	2
VARBL	-		. 4	.1					<del></del> -			<u></u>	
CALM		> <	$\geq $	> <	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq <$	$\geq \leq$	74.1	
	13.7	8.7	3.1	. 4								100.0	1

TOTAL NUMBER OF OBSERVATIONS 803

USAFETAC FORM 0-8-5 .QL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENHOHR AAF DL	73~81 TEARS	SEP
		ALL WEATHER	0300-0500
		COMPITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 4	• 2										.6.	3.
NNE	. 4	• 1										. 5	2.
NE	• 5	• 1										. 6	2.
ENE	• 5	• 2										• 7	2.
£	1.5	• 5		!	_		1					2.0	_ 2
ESE	1.1											1.1	1
SE	• 1		•1				;	,				• 2	- 4
SSE	. 9	• 1				1	:					1.0	2
5	• 2		• 1				,		!			. 4	4
SSW	.1	. 4			-		!		1		•	• 5	3
SW	• 5	. 4	·				i		<del></del>		•	. 9	3.
WSW	1.0	1.6	. 2			1						2.9	4
w	2.7	3.1	.9	.1		,			•			6.8	4
WNW	1.5	1.6				!	<u> </u>					4.1.	4
NW	1.0	1.1	. 4		<del> </del>	<del></del>	1		•			2.5	4
NNW	1.2	• 2				<del> </del>			!		·	1.5	1
VARBL	#		. 5			<del> </del>	<del> </del>		·				8
CALM		$\geq \leq$	$\geq \ddot{z}$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	><	$\geq \leq$	><	73.1	
	13.7	9.8	2.9	. 5								100.0	1

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 6	• 2				<u> </u>						9 .	. 2.
NNE		. 4										. 4	4.
NE	• 2											2	2.5
ENE	1.2	. 4	.1									1.7	3.0
E	2.0	. 4			i	1						2.5	2.6
ESE	2.1	. 5								:		2.6	2.
SE	• 9	. 4			!		i					1.2	2.
SSE	1.1	.6	• 2									2.0	3.
S	.6	. 4	.1									1.1	3.0
SSW	• 6	.1											
sw	1.0	• 2	.1		•						•	1.4	3.
wsw	1.1	1.7	.7		1	1					•	3.6	4.
w	2.7	4.3	1.5						•		•	8.6	4.
WNW	1.6	2.2	. 4	• 2		1						4.5	4 .
NW	1.2	1.1	. 4				i	!	:			3.0	4.6
NNW	1.0	• 5						!		•	•	1.5	2.
VARBL			. 4	•2	1	1					•	6	10.6
CALM		$\sim$		>	$\sim$	$\overline{}$	$\sim$	> <	> <		*><	63.5	

TOTAL NUMBER OF OBSERVATIONS 805

USAFETAC FORM 0-8-5 (OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

.

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENWOHR AAF OL	73-81 YEARS	SEP MONTH
		ALL WEATHER	3930-1100 HOURS (L S T )
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.0	1.1	• 2									. 2.4.	4.
NNE	. 2	• 1				:						. 4	2.
NE	• 6	. 4										1.3	3.
ENE	1.6	1.5	. 4			1						3.5	3.
E	3.0	2.1	. 4	. 1								5.6	3.
ESE	2.6	2.7	. 9									6.2	4.
SE	4.2	1.7	. 9									6.9	3.4
SSE	4.0	1.2	. 6									5.9	3.
S	2.4	3.2	.7	.1								6.5	4.
ssw	1.1	1.1	• 1	• 1		<del></del>						2.5	4.
SW	. 4	1.0	. 6			<u> </u>						2.0	5.
wsw	.9	2.5	1.6			<del></del>						5.0	5.0
w	2.0	6.1	3.9	• 5		<del></del> -						12.5	5.1
WNW	1.1	3.2	2.9			<del></del>						7.2	5e
NW	.5	1.2	. 9	.1		!				··-·		2.7	5.
NNW	.7	1.6	. 4									2.7	405
VARBL		• 1	3.4	.7		t				·		. <u>4.2.</u>	9.
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\times$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq <$	22.8	
	26.4	31.2	17.8	1.7								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 | O.L.-A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR MEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1"687G	GRAFENHOHR AAF DL	73-81	YEARS	SEP
		LL WEATHER	<del></del>	1200-1400 HOURS (LST.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.1	1.7	•2						<u> </u>			3.1.	. 4.
NNE	. 9	• 4							<del></del>		· •	1.2.	1.
NE	.7	. 6							i	·		. 1.2.	. 3.
ENE	.9	1.2										2.1	3.
E	2.6	2.6	. 5									5.7	4.
ESE	2.6	1.9	• 2	. 1								4.9	3.
SE	2.0	2.9	. 9	• 1			!	i				5 . 8	4.
SSE	1.9	2.0	• 5							,		4 . 4	4.
S	3.2	3.9	1.1	. 5								<b>2 • 7</b> .	9.
SSW	1.6	3.1	1.1									5.8	4.
sw	1.0	1.2	1.6	• 1								4.0	6
wsw	2.0	1.9	1.9							:		5.7	5.
w	2.1	6.1	5.7	. 9								14.8	6.
WNW	1.4	3.5	3.0	. 9		1						8.7	6.
NW	1.2	1.7	2.7	• 2					1			6.2	6.
NNW	1.0	1.7	.6			1						3.4	4.
YARBL		• 5	6.3	1.9								8.7	9,
CALM	$\searrow$		$\times$	$\geq \leq$	>	$\geq$	$\geq$	$\geq \leq$	$\geq <$	><		5.6	
	26.2	36.9	26.5	4.7								100.0	5.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 .OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAF	ENWOHR	AAF DU					-81		YEARS				SEP
		_				ALL W	EATHER				_			7-1700 ((17)
		-				coi	IDITION .							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	- 48 - 55	≥ 56		MEAN WIND SPEED
t	N	1.5	1.6	• 5		<del></del>				<del></del>			3.6.	3.8
	NNE	1.2		• 1			1						1.4	
<u>l</u>	NE	9	. 7			<u> </u>	<u> </u>		<u>!</u>				1.6	3.5
	ENE	1.5	.6						[				2.1	2.8
Ĺ	Ę	3.4	2.5	• 5		1				Ī			6.3	3.6
	ESE	2.7	2.1	• 1							·		5.0	3.4

		!							<u> </u>				
N	1.5	1.6	• 5									3.6.	3
NNE	1.2		• 1			: 		·	<u> </u>			1.4	2
NE	. 9	. 7										1.6	3
ENE	1.5	. 6						<u> </u>				2.1	2
Ę	3.4	2.5	• 5									6.3	
ESE	2.7	2.1	. 1									5 • <b>Q</b>	3
SE	1.4	2.4	• 2					İ				4.0	4
SSE	1.9	1.6	. 9		1							4.4	4
S	1.9	3.1	2.1	. 1				·	<b>.</b>			7.2.	5
SSW	1.6	1.9	. 4									3.7	. 4
sw	1.2	1.2	• 2									2.7	5
wsw	2.9	2.9	1.7	. 1					•			7.6	_5
w	2.7	9.1	5.8					<u> </u>		<u>.</u>	- • - · · · ·	17.7.	
WNW	1.2	4.0	2.6	. 9	<u> </u>	· · · · · · · ·						8.7.	6
NW	1.1	2.5	2.9	. 2				<u> </u>	•			6.7	6
NNW	1.2	2.2	• 6			!		·	·			4.1	4
VARBL		• 1	4.2	1.4						:		5.1.	9
CALM		><	><	><	$\geq <$	><	$\geq \leq$	><	><	$\geq \leq$	>< (	7.3	
	28.4	38.6	23.0	2.7						1	1 1	100.0	4

TOTAL NUMBER OF OBSERVATIONS 804

USAFETAC FORM D-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### SURFACE WINDS PERCENTAGE FREQUENCY OF WIND

AIR WEATHER SERVICE/MAC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NE       1 · 3       · 3       1 · 5       2 · 0       1 · 8       2 · 0       1 · 8       2 · 0       1 · 8       2 · 0       1 · 8       2 · 0       1 · 8       2 · 0       1 · 8       2 · 0       1 · 8       2 · 0       2 ·	GR	AFE	NHOHR	AAF DE				73	-81	·	YEARS				EP ONTH
SPEED   1.3			_				ALL W	EATHER							
(KNTS)   1-3   4-6   7-10   11-16   17-21   22-27   28-33   34-40   41-47   48-55   ≥56   WIND SPEED     N							cos	Ng:TiON							
NNE	(KNTS)		1 - 3	4 - 6	7 - 10	11 - 16	i 17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	`	WIND
NE       1 · 3       · 3       1 · 5       2 · 0       1 · 8         ENE       1 · 9       · 1       2 · 0       1 · 8       2 · 0       1 · 8       2 · 0       1 · 8       2 · 5       2 · 5       2 · 5       2 · 5       2 · 7       2 · 5       2 · 7       2 · 1       3 · 1 · 1       2 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       2 · 1       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 1       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 7       3 · 2 · 5       2 · 1       3 · 2 · 5       3 · 2 · 5 <td< td=""><td></td><td></td><td></td><td></td><td>•1</td><td></td><td></td><td></td><td>• — —</td><td></td><td>·····</td><td></td><td></td><td></td><td></td></td<>					•1				• — —		·····				
ENE 1.9 .1 2.0 1.8 E 3.9 1.4 5.3 2.5 ESE 2.1 .3 .1 2.5 2.7 SE 1.0 1.1 2.2 SSE 1.0 1.1 2.1 2.1 3.4 5 1.3 .9 .3 2.5 SSW .4 .4 .1 2.8 3.6 SSW .1.0 0.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1							·	<u> </u>	· 		<del>`</del>		•		
E	h						<u> </u>	<u> </u>	<u>.                                    </u>	<u> </u>	+		·		2.0
ESE 2.1 .3 .1 2.5 2.7  SE 1.0 .1 1.1 2.2  SSE 1.0 1.1 2.1 3.4  S 1.3 .9 .3 2.9 3.6  SSW .4 .4 .1 .1 .2 2  WSW 1.0 1.6 .4 .1 3.2  WSW 1.0 1.6 .4 .1 3.1 4.6  W 6.5 3.8 2.0 3 12.3 3.9  WNW 1.4 2.8 1.0 .3 12.3 3.9  NW 1.8 1.1 1.0 .1 4.8  NNW 1.8 1.1 1.0 .1 4.8  VARBL 1.1 .1 .1 1.3 9.1	ENE			• 1	<del></del>				·	İ	: •	·		2.0	1.8
5E     1 · 0     0     1 · 1     2 · 2       SSE     1 · 0     1 · 1     2 · 1     3 · 9       S     1 · 3     • 9     • 3     2 · 9     3 · 6       SSW     • 4     • 1     • 9     9 · 3       SW     1 · 0     • 4     • 1     3 · 2       WSW     1 · 0     1 · 6     • 4     • 1     3 · 1     4 · 6       W     6 · 5     3 · 8     2 · 0     12 · 3     3 · 9       WNW     1 · 4     2 · 8     1 · 0     3     12 · 3     3 · 9       NW     1 · 8     1 · 1     1 · 0     1     4 · 0     4 · 8       NNW     1 · 8     1 · 1     1 · 1     1 · 3     9 · 1       VARBL     1 · 1     1 · 1     1 · 3     9 · 1	E			1.4								•		5.3	2.5
SSE 1.0 1.1 2.1 3.9 5 1.3 99 .3 2.9 1.6 55W .4 .4 .1	ESE	- <u>1</u>		• 3	- 1	·	 		<del></del>	<u> </u>		•		2.5	2.7
SSE   1-0   1-1								<u> </u>	<del></del>		<u>.</u>			1.1	2.2
\$ 1.3 .9 .3 .9 .3	SSE	P	1.0	1.1			ì	<u> </u>	·	 	•	·		2.1.	
55W     94     94     1       5W     1 · 0     04     1 · 4     3 · 2       WSW     1 · 0     1 · 0     0 · 1     3 · 1     4 · 6       W     6 · 5     3 · 8     2 · 0     1 · 2 · 5     3 · 9       WNW     1 · 4     2 · 8     1 · 0     3     5 · 4     5 · 3       NW     1 · 8     1 · 1     1 · 0     1 · 0     4 · 0     4 · 0     4 · 0       NNW     1 · 9     1 · 9     2 · 8     3 · 5       VARBL     1 · 1     1 · 1     1 · 1     1 · 3     9 · 1	S	_4-	1.3	. 9	3				:	<u> </u>		•			
5W     1.0     .4       WSW     1.0     1.6     .4     .1       W     6.5     3.8     2.0     .2.3     3.9       WNW     1.4     2.8     1.0     .3     .3.9       NW     1.8     1.1     1.0     .1     .1     .1       NNW     1.4     1.4     .2     .8     3.5       VARBL     1.1     .1     .1     .1     .1	ssw	-	. 4	, 4	.1				·	i	T				
WSW   100   105   04   01	sw	ii #	1.0	. 4											
W 6.5 3.8 2.0 12.5 3.9 WNW 1.4 2.8 1.0 .3 5.4 5.3 NW 1.8 1.1 1.0 .1 4.0 4.8 NNW 1.5 1.4 2.8 3.5 VARBL 2.8 3.5	wsw		1.0	1.5	. 4	• 1									
WNW   1.4   2.8   1.0   e.3	w_		6.5	3.8	2.0							1			
NW 1.8 1.1 1.0 .1 4.0 4.8 NNW 1.8 1.4 2.8 3.5 VARBL 1.1 .1 .1	WNW		1.4	2.8	1.0	. 3		T		I					
NRW 1.4 1.4 2.5 3.5 VARBL 1.1 .1 .1 .1 1.3 9.1	NW		1.8	1.1	1.C	• 1						1			
VARBL 1.1 .1 .1	NNW		1.4	1.4						1					
	VARBL				1.1	• 1				<u> </u>	1	!			
	CALM		<	><	><	><		>>				><			

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A : PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

798

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

GRA	FENHOHR	AAF D	L			73	-81		rties				EP
	-				ALL W	EATHER						2100	-2300
					COM								
SPEED (KNTS) DIR.	1 1 . 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	3	• 3			<del></del>								3.0
NNE	. 3				1		,			*		. 3	2.0
NE	. 4				1	i						. 4	1.7
ENE	1.4					!			:			1.4	1.8
E	2.5	.6		:		1	<u> </u>					3.1	2.4
ESE	1.1	. 4								*		1.5	2.4
SE	5	• 1		ì								. 6	2.4
SSE	. 1	. 4	. 1		1							.6	4.8
\$	. 8	• 5	. 3		i							1.5	4.0
SSW	. 4	. 3								L		. 6	3.6
SW	• 5	. 8				·			 •	; <del>}</del>		1.3	3.8
WSW	1.1			·			<u>.</u>		i •	i 	/ .	2.1	4.0
w	3.4		1.0	·		<del></del>	l					8.1	4.0
WNW	1.1		. 6				<del></del>		<u> </u>			4.0.	4.5
NW	. 8	1.8	. 3			, <del> </del>			<u> </u>			2.8.	4.4
NNW	1.9	• 3			<u> </u>	·	<u> </u>					2.1.	2.5
VARBL	-		. 8	. 3				· -				1.0.	9.3
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$> \leq$	$\geq \leq$	$\geq <$	$\geq <$	68.5	
	16.0	12 0	7 7	,							'		

USAFETAC FORM 0-8-5 OL-A: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENWOHR AAF DL	73-81		SEP
STATION	STATION HAME	YEA	.85	<b>MONTH</b>
		ALL WEATHER		ALL HOURS (EST)
		CARLETON		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	 	   34 - 40  -	1 , 41 - 47 1	48 - 55	≥ 56	•	MEAN WIND SPEED
N	.8	.7	•1					•				1.6.	3.
NNE	• 5	• 2	• 0									. ,6.	2.
NE	• 6	. 3						I				. 9	2.
ENE	1.2	• 5	.1					]				1.8	3.
E	2.5	1.3	• 2	•0								4.0	3.
ESE	1.9	1.0	• 2	.0								3.1	3,
SE	1.3	1.3	• 3	•0					***************************************			2.6.	3
SSE	1.4	. 9	. 3							•		2.7	3
s	1.4	1.5	.6	• 1				!				3.6.	. 4.
55W	.8	.9	• 2	.0				•		•	** * * *	1.9	. 4,
sw	. 8	. 8		.0					•	•		1.9	4
W5W	1.3	1.7	. 9	.0		1			+	•		3.9.	9
w	3.2	5.0				1	1	*	•		-	11.2	ق
WNW	1.3	2.6	1.4	. 3	1	1	1	+	•	·		5.7.	
NW	1.1	1.4	1.1	.1	·		1			:		3.7	5
NNW	1.2	1.1	. 2	·		<del> </del>	<b></b>	<del> </del>				2.5	3
VARBL		.1	2.1	.6			1	!	<del></del>	··- •		2.8.	
CALM	$\rightarrow$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq$	$\geq$	><	><	><	`><.	45.5	ل <i>ى الح</i> اسات
	21.3	20.9	10.9	1.5								100.0	2

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106870 STATION	GRAFENHOHR AAF DL		YEARS	OCT MONTH
		ALL WEATHER		3000-0200
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 4	• 2										6.	3.
NNE	• 5											5	2,
NE	• 2	• 1	1	1								. 4	3.
ENE	1.1	• 6	• 1				1			•		1.8	3.
E	3.2	3.2	.7			1	1					7.2	4,
ESE	2.9	. 4	• 1	• 2								3.6	3
SE	1.3	. 4					<u></u>			•	'	1.7	. 2
SSE	. 8	• 1	• 1									1.1.	2
5	1.3	. 4										1.7.	2
SSW	.7	. 8		• 1						· - · •		1.7	3
sw	1.6	. 7	.1	• 2		†- <del></del>				•	-	2.6	3
wsw	1.6	1.6	. 4			1	1		•	• - • •		3,5	3
w	2.8	4.4	2.9	•1							•	10.2	5
WNW	1.2	1.0	1.0	- 1					•	• • • • •		3.2	•
NW	1.0	. 8	. 4	• 1						• • • • •		2.3.	. 9
NNW	1.1	• 5										1.6	2
VARBL		• 1	.7										7
CALM	$\searrow \langle$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq <$	$\geq$	$\geq <$	$\leq$	55.7	
	21.6	15.3	6.5	1.0								100.0	1

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CALM

2

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 GRAFENWOHR AAF DL 73-81 ALL WEATHER 0300-0500 SPEED (KNTS) DIR. MEAN W'ND SPEED 1 - 3 N .1. 2.0 3.0 NNE •6. . 5 • 6 ENE 1.7 1.0 . 1 2.8 3.3 E 4.2 2.6 8.0 3.8 2.5 ESE 4.1 5.0 SE 2.6 • 6 3.2 3.2 3.3 2.5 1.0 • 2 1.3 S 1.0 . 9 1.8 • 2 1.6 1.8 1.3 SW • 5 2.4 4.2 WSW 1.0 2.0 .4 3.3 4.5 1.9 3.3 5.4 10.9 4 . 8 1.0 1.1 .6 2.6 NW 4.2 3.0 .6 . 2 1.6 NNW 1.0 2.3 VARBL 8.5 1.3.

TOTAL NUMBER OF OBSERVATIONS

50.4

100.0

USAFETAC FORM ARE 08-5 (OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 GRAFENWOHR AAF DL 73-81 OCT	
STATION STATION NAME TEAMS HOWIN	
ALL WEATHER G600-0	300
CLASS MOURS (L.S.)	. )
CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	٠.	MEAN WIND SPEED
N	1.1	• 2										1.3.	2.
NNE	1.1	• 1						·	·			1.2.	2,
NE .	•7	• 2				1						1.0	. 2
ENE	1.9	• 5						7				2.4	2
E	3.7	4.2	1.1								· · •	9.0	3
ESE	5.0	1.3										6.3.	2
SE	2.5	.6	. 1							-		3.2	2
SSE	1.3	• 5	• 1									1.9	2
s	2.4	1.2	• 2			!						3.8	3
ssw	1.1	• 5										1.6	2
sw	• 6	.6	. 5					•			-	1.7	4
wsw	2.9	1.9	. 4				1					5.1	3
w	2.7	4.5	3.0	• 1			I				_	10.4	5
WNW	.8	. 8	• 2		.1	1	Ī	<del></del>	!			2.0	. 5
NW	. 8	. 2	• 1				i	!			-	1.2	. 3
NNW	1.2	• 5	• 1									1.8.	3
VARBL			1.4					1				1.4	1
CALM		><	><	><			$\supset <$		><		`>	94.7	
	29.9	17.9	7.3		*:			<del>*</del>		**************************************		100.0	2

USAFETAC FORM 0-8-5 GE-A PREVIOUS EDITIONS IT THIS FORM ARE OBSOLETE

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION GRAFENWOHR AAF DL 73-81 OCT

STATION STATION NAME AAF DL 73-81

ALL WEATHER D900-1100

CLAMS HOUSE (LST.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 5	• 5	• 2									1.2.	4.2
NNE	• 2	. 4				1						6.	3.4
NE	5	. 5	. 1			<u> </u>						1.1	1,9
ENE	. 8	1.4	. 5			Ī						2.8	** 1
E	4 - 1	4.8	1.4	• 2	• 1	L						10.6	4.6
ESE	5.1	3.1	. 5	. 2								_9.5	3.4
SE	3.2	2.2	• 2									5.6	3,9
SSE	1.8	3.0	. 2				·					5.0	4.0
S	3.2	2.0	. 8			İ						6.1	3.6
ssw	1.3	. 7	.1	·		i 						2.2.	3.1
sw	1.1	. 7	• 1			1	<u> </u>		i •			1.9	3.4
wsw	2.0	3.3	1.3	. 1			i					6.8	4.8
w	2.8	4.4	3.5	1		İ	<u> </u>	i				10.8	5.4
WNW	1.1	1.2	1.0	• 2	• 2	i			•			3.7.	6.3
NW	1.3	1.2	, 7			i						3.2.	4.4
NNW	1.2	. 8	. 2					I				2.3	3.9
VARBL	. 1		5.3	1.1								6.5	8.8
CALM	><	$\geq \leq$	$\geq <$	><	$\geq \leq$	$\geq <$	$\geq \leq$				$\sim$	20.7	
	30.4	30.3	16.3	2.0	4				ļ			100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A" PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC

### SURFACE WINDS

AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u> </u>	RAFEN	OHR	AAF DE	NAME .		<del></del>	73	-81		YEARS				CI
							EATHER				<del></del>			-1400
						co	IDITION							
SPEE (KNT DIR	5) 1	. 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N		. 8	• 5						+	<del></del>			1,3	3.3
NN	E	. 4	• 6						·		•		1.0	
NE		• 2	1.2	• 1			<del></del>	+	*	1			1.6	5.2
ENE	E .	1.1	2.2			•	-	• • • • • • • • • • • • • • • • • • • •	1		•		3.6	4.2
E		2.3	3 . C	1.1	. 4		:	•	+	†			6.7	5.3
ESE		2.6	3.2	. 7	•1		:		!				6.7	4.2
SE		3.1	4.7	1.0			-		*		•		8.7	4.2
SSE		3.1	3.0	. 4				•	•		•		6.5	3.7
5	Ī	3.9	2.7	. 8							· · · · ·		7.5	
SS¥	٧	1.3	1.7	1.2									4.2	
sw	/ _ I	1.1	1.3	. 8									3.2	4.6
WSV	W	1.4	2.6	2.4	. 2				•=-				6.7	5.9
w		3.1	6.2	2.6	1.0	· <del>-</del>	•		• ——·· · ——	•	· · · ·		12.9	5.6
wn\	w :	1.4	1.7	1.6	•2		•—-			· •			4.9	5.6
NW		1.2	1.6	1.8	. 4	,	•						4.9	6.0
NNV	<b>v</b>	1.3	1.3	• 1					•	l <del></del>			2.7	3.4
VARI	BL .		. 2	6.1	2.3	. 6	i .		•			_	9.2.	9.9
CAL	M  >	$\leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		,>≤〔	$\geq \leq 1$	7.8	
										1	· ·	· - •		

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 .OL+A PREVIOUS EDITIONS OF THIS FORM ARE DESOCETE

2

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 5870 GRAFENHOHR AAF DL 73-81 OCT
STATION NAME STATION NAME

ALL WEATHER 1530-1703
CLASS HOUSE (L.S.T.)

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 5&	<b>~</b>	MEAN WIND SPEED
N	1.9	• 5										2.4	2,
NNE	.6	. 4										1.0	2.
NE	. 6	. 4				1						1.3	2.
ENE	1.7	1.9	. 4					T				3.7	4.
E	3.2	3.9	1.6									8.7	4.
ESE	4.2	4.3	• 5	•1								9.1	3.
SE .	2.7	3.5	.1									6.3	3,
SSE	2.3	2.4	.2									4.9	3,
\$ 1	2.5	1.7	• 2			ĺ						4 , 4	2
ssw	1.4	1.3	. 4									3.1.	3.
sw	1.6	1.1	. 4	.1								3.1.	4
wsw	2.7	2.3	1.6	.1								6.7	4,
w	3.0	6.0	3.2	.6				1		1		12.8	. 5
WNW	1.8	3.0	1.6	.6								5.9	5.
NW	1.6	1.0	.5	• 1		,						3.1	. 9
NNW	.8	. 7	• 1					1				1.7	. 3.
VARBL			4.7	1.0	•1	.1						5.9	9
CALM		$\geq \leq$	$\geq \leq$	><	$\geq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	>	$\geq <$	15.1	
	32.6	34.2	15.3	2.6	.1	.1		}			,	100-0	

TOTAL NUMBER OF OBSERVATIONS 83

USAFETAC FORM 0-8-5 OL-4 - PREVIOUS COITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

E 7.2 5.1 .1  ESE 2.6 .8 .2  SE 1.0 .6  SSE 1.0 .6  SSE .66 .4  SSW .66 .6  SSW .66 .6  SWSW .2.0 1.7 .6  WS	Ĵ	GRAF	ENHOHR	AAF DE	MAME			73	-81		YEARS				CI
SPEED   1-3			-	·			ALL H	EATHER						1800 HOURS	-2000
(KNTS)     1 · 3     4 · 6     7 · 10     11 · 16     17 · 21     22 · 27     28 · 33     34 · 40     41 · 47     48 · 55     ≥ 56     WIND SPEED       N     1 · 2      1 · 6     3 · 1       7 · 2 · 1			_				co	NDITION							
NNE		(KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	`	WIND
NNE	t	N	1.2	• 2	•1									1.6	3.1
NE       1.1       .2         ENE       2.5       .8       .1         E       7.2       5.1       .1         ESE       2.6       .8       .2         SE       1.0       .6       .6         SSE       .6       .4       .4         SSW       .6       .6       .6         SW       .6       .6       .2         SW       .6       .2       .1         WSW       2.0       1.7       .6         WNW       1.2       2.0       1.3         NW       .5       .2       .4       .1         NNW       1.0       .2       .4         NNW       1.0       .2       .4         NNW       1.0       .2       .4         NNW       1.0       .2       .4         NNW       1.0       .2       .4         NNW       1.0       .2       .9         CALM       1.6       .6       .6	L	NNE	• 6	• 1											
ENE 2.5 .8 .1 3.5 2.7 E 7.2 5.1 .1 12.4 3.2 ESE 2.6 .8 .2 3.7 2.7 SE 1.0 .6 1.6 3.3 SE 1.0 .6 SE .6 .4 2.0 3.2 SE 3.0 SE 3.0	ĺ	NE	1.1	<b>.</b> 2								· · · · · · · · · · · · · · · · · · ·			
E 7.2 5.1 .1  ESE 2.6 .8 .2  SE 1.0 .6  SSE 1.0 .6  SSE .6 .4  S 1.2 .8  SSW .6 .6 .2 .1  WSW 2.0 1.7 .6  WSW 2.0 1.7 .6  WSW 3.5 5.5 3.1 .4  WNW 1.2 2.0 1.3  NW .5 .2 .4 .1  NNW .5 .2 .2 .4 .1  NNW .5 .2 .4 .1  NNW .5 .2 .4 .1  NNW .5 .2 .4 .1  NNW .5 .2 .4 .1  NNW .5 .2 .4 .1  NNW .5 .2 .4 .1  NNW .5 .2 .4 .1  NNW .5 .2 .4 .1  NNW .5 .2 .4 .1	1	ENE	2.5	. 8	• 1						:				2.7
ESE 2.6 .8 .2 .3.7. 2.7 se 1.0 .6 .8 .2 .3.7. 2.7 se 1.0 .6 .3.3 se 1.0 .6 .4 .3.3 se 1.0 .6 .4 .3.3 se 1.0 .2 .8 .2 .3 .2 .2 .3 .2 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	L	E	7.2	5.1	. 1										3.2
SE     1.0     .6       SSE     .6     .4       S     1.2     .8       SSW     .6     .6       SW     .6     .2     .1       WSW     2.0     1.7     .6       W     3.5     5.5     3.1     .4       WNW     1.2     2.0     1.3       NW     .5     .2     .4     .1       NNW     1.0     .2     .2     .2       VARBI     1.6     .6     .6       CALM     2.2     9.4	L	ESE			• 2										2.7
SSE       .6       .4         5       1.2       .8         SSW       .6       .6         SW       .6       .2         WSW       2.0       1.7         W       3.5       5.5         WNW       1.2       2.0         NW       .5       .2         NW       .5       .2         NNW       1.0       .2         VARBL       1.6       .6         CALM       44.3	_	SE	1.0	. 6											3.3
\$ 1.2 .8 2.0 3.2 3.2 55W .6 .6 .6 1.2 3.7 5W .6 .2 .1 1.0 4.5 5.2 W.W.W. 1.2 2.0 1.3 4.5 5.2 W.W.W. 1.2 2.0 1.3 4.5 5.2 W.W.W. 1.2 2.0 1.3 4.5 5.2 W.W.W. 1.2 2.0 1.3 4.5 5.2 W.W.W. 1.0 0.2 0.4 .1 1.2 5.2 5.2 W.W.W. 1.0 0.2 0.2 0.4 .1 1.2 2.7 VARBL 1.0 0.2 0.2 0.4 0.4 0.5 0.2 0.4 0.4 0.5 0.2 0.4 0.4 0.5 0.2 0.4 0.4 0.5 0.2 0.4 0.4 0.5 0.2 0.4 0.4 0.5 0.2 0.4 0.4 0.5 0.2 0.4 0.4 0.5 0.2 0.4 0.4 0.5 0.5 0.2 0.4 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5		SSE	• 6	. 4											2.8
5W     66     62     1       WSW     2.0     1.7     6       W     3.5     5.5     3.1     4       WNW     1.2     2.0     1.3     4.5     5.2       NW     .5     .2     .4     .1     1.2     5.2       NNW     1.0     .2     .4     .1     1.2     2.7       VARBI     1.6     .6     2.2     9.4       CALM     44.3     44.3	L		1.2	• 8				1							3.2
5W	Ļ.	ssw	• 6			·		+		• • • • • • • • • • • • • • • • • • • •				1.2	3.7
W 3.5 5.5 3.1 .4 12.4 5.2 WNW 1.2 2.0 1.3 4.5 5.2 NW .5 .2 .4 .1 12.5.2 NNW 1.0 .2 1.6 .6 CALM 2.0 1.6 .6	ļ.	5W					: 	ļ	·	·					4.5
WNW 1.2 2.0 1.3 4.5 5.2  NW .5 .2 .4 .1  NNW 1.0 .2  VARBL 1.6 .6  CALM 4.3	ŀ	wsw					· 	<u> </u>	·					4.3.	3.9
NW .5 .2 .4 .1	_					• •		<u></u>	!	·	•				5.2
NNW 1.0 .2 1.6 .6 2.2 9.4 44.3	L								<del> </del>		·				5.2
VARBL 1.6 .6	ļ.				. 4	•1		<del> </del>			· +				5.2
CALM 44.3	1		1.0	• 2			: 	<u> </u>			<del></del>	•		1.2.	.2.7
	L	VARBL			1.6	• 6				<u></u>	· •		contract of		9.4
	L	CALM	><	><	><	><	><	><	$\triangleright <$		><	><	,>< <u></u>	44.3	1
	ſ		27 7	10.7	, .							ru <del> </del>		*	

TOTAL NUMBER OF OBSERVATIONS

836

USAFETAC FORM 0-8-5 OL-A - PREVIOUS EDITIONS OF THIS FORM ARE DBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC

ATT WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6970	GRAFENWOHR AAF DL	73-81		ОСТ
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		2130-2303
		CLASS		HOURS (LST)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	.6	. 7	.1									1.4	9.3
NNE	6	• 2											2.7
NE	1.3	• 1			•	<u></u>			1			1.4	2.3
ENE	1.1	. 8	. 1			<u>i</u>						2.0	3 . 6
E	5.7	2.6	. 7									9.1	3.3
ESE	1.8	. 4				<u>.</u>						2.2	2.4
SE	2.4	. 2		L		ļ						2.6	2.1
SSE	1.1						·					1.2	2.4
<u> </u>	.7.	• 2										1.0	2.6
SSW	1.0	- 1	.1			!						1.2	2.9
SW	. 8	. 4	• 2			<u> </u>	•	1				. 1.4	4.1
WSW	1.2	1.1	. 7		·		·		· 			3.0	4.3
w	3.5	6.3	1.4	• 2		<u> </u>	<u> </u>					11.5	4.6
WNW	1.3	2.4	1.0	. 4	·	<u> </u>	i					5.0	5.4
NW	.6	• 6	.1		•——	<b></b>						1.3	3.8
NNW	. 8	. 4			i	<u> </u>						1.2	3.0
VARBL			1.9	. 4								2.3	9.2
CALM	$\geq \leq$	$\geq \leq$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	>< \	51.4	
	24.5	16.7	6.5	1.0								100.0	2.1

TOTA: NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENMOHR AAF DL 73-81	YEARS	OCT WORLD
	ALL MEATHER		HOURS (L B Y )
	COMPLETION		

SPEED (KNTS) DIR	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 8	, 4	. 1									. 1.2.	3.1
NNE	• 5	3										6.	2.6
NE	. 7	• 3	• 0				1					1.0	3.
ENE	1.5	1.2	• 2	•0						•		2.8	3.6
E	4.2	3.7	1.0	• 1	.0				•			9.0	4.0
ESE	3.5	1.8	. 3	• 1				•				5.7	3.7
SE	2.4	1.6	• 2							•••••••••••		4.1.	3.3
55E	1.5	1.2	. 1	<del>-</del>					•	• •	_	2.9	3.5
s ·	2.0	1.2	• 3					•		•		3,5	3.4
ssw	1.1	. 7	• 2	.0					•		_	2.1	3.6
sw	1.1	. 7		• 0	+			•		• •		2.2.	40
wsw	1.9	2.1		•1			:	•	•	• • • • •		4.9.	4.5
w	3.1	5.4						:	•			11.5	. 5.
WNW	1.2	1.6			• 0							4.1.	5.4
NW	. 9	. 8		•1	<del></del>			+	•	· · · · · · · ·		2,3	4.
NNW	1.1	.7	•1					<del></del>		•		1.6	3.
VARBL	.0	•0	2.9	. 7	•1	•0	·	<del>+</del>		· •		3.7.	9.
CALM		$\geq \leq$				$\geq $		$\geq \leq$	$\geq \leq$			36.2	
1	27.5	23.6	10.9	1.6	. 1	.0						100.0	2.

TOTAL NUMBER OF OBSERVATIONS 6691

2

2

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106870	GRAFENHOHR AAF DL	73-81	NOV WOATH
		ALL WEATHER	0000-0200
		Charton	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	i : 34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
2	• 6	•1			•		•					8 .	2.
NNE	1				·			: <del></del>	1				1.
NE		•1			! •————————————————————————————————————	1	•	<u> </u>				5 .	. 2
ENE	1.1	. 5						<u> </u>				1.8	3.
ŧ	3.6	1.9	.1						i			5.7	3
€S€	2.6	. 6										3.3	. 2
SE	2.5	1.1	• 1					1	1			3.8	3.
SSE	1.1	1.1										. 2.3.	3.
\$	1.6	1.6	.1		Ĺ	<u> </u>		:				3.4	3
55W	.6	1.1	. 4		·	<u> </u>						. 2.1.	4
SW	1.0	1.4	. 5		-	·						2.9	4
wsw	2.0	2.0	1.5	. 3		<u> </u>		:				5.8	5
w	2.5	5.4	5.3		. 3	,						15.6	1
WNW	1.1	2.0	1.0	• 5	.1	i	i		1			4.8	. 6
NW	. 4	1.8	. 6	• 1			1					2.9	_ 5
NNW	1.5	. 8			i							2.3	2
VARBL			1.9	. 5			i .					2.4	9
CALM		$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$					>=:	39.8	
	23.0	21.6	11.7	3.5				1		1		. 152.3.	3

TOTAL NUMBER OF OBSERVATIONS 796

USAFETAC FORM 0-8-5 OL+A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

BTATION	GRAFENWOHR AAF DL	73-81 YEARS	NOV BONTH
	ALL W	EATHER	2300-0500 HOURS (L S T )

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 · 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.0	. 3.							<b>.</b>			. 1.3.	2.8
NNE	. 1	• 3					1					4.	9.5
NE	• 5	. 3				1	!	1				8.	_2.1
ENE	1.0	1.1	• 3			i						2.4	3.9
E	4.0	1.3	. 1					Ţ				5.4.	2.
ESE	3.0	1.0			Ī							4.0	2,5
SE	1.8	. 6	.1									2.5	3,4
SSE	1.1	1.3										2.1	3.
S	2.0	2.0	• 3		i .							4 . 3	3.6
SSW	. 9	. 9	• 3									2.0	3.6
sw	1.4	.6	. 3								_	2.3	3,
wsw	1.3	2.9	1.0	• 5								5.7	5.8
w	5.4	5.5	3.8	1.6	• 1							16.5	5.
WNW	1.5	1.5	1.4	1.4	!				•			5.8	7.0
NW	.8	1.6	• 5	•1		i		7				3.C.	5.5
NNW	.6	. 4										1.0	2.5
VARBL			1.9	• 5	.1		1				_	2.5	9.
CALM	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	><		]> <u>.</u> <	38.0	
	26.4	21.3	9.8	4.2	3				<u> </u>	L	i	100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM C-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENWOHR AAF DL	73-81		NOV
BTATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		3607-0800
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 8	. 4	1									1.3.	3.
NNE	. 3											. 3	2.
NE	5	. 4	- 1									1.0	3.
ENE	8	. 9	• 5		·			T				2.1	4.
E	3.5	1.8										5.3	3.
ESE	3.6	. 8										4.4	2.
SE	1.6	1.0	. 3				·					2.9	3.
SSE	1.1	. 6	1						1			1.9	3,
_ s	1.9	1.3	. 3									3,4	3.
ssw	2.5	. 6		·	•		·		: •			3.1.	2.
sw	1.9	1.3				!						3.1	3.
wsw	2.4	2.8	. 9	3			·					6.3	4.
w	4.6	5.5	4.3					<u> </u>				16.8	6.
WNW	1.9	2.0	1.1	. 8	1	!	·	ļ	<u>L</u>			5.9.	6.
NW	1.1	1.4	. 5	3								3.3	4.0
NNW	1.8	. 4										2.1	. 2.
VARBL			1.9	• 5	1			L				2.5.	9.
CALM	$\geq <$	$\geq <$	$\geq \leq$	$\geq \leq$	><	$\geq <$	$\geq \leq$		><	$\geq \leq$	<u>}</u>	34.5	
	30.2	20.9	10.0	4.0							T	100.0	3.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8+5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

## SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENWOHR AAF DL	73-81 YEARS	NOV MONTH
		<u>IEATHER</u>	3930-1100 House (Car)
	CC	NOTION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 · 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.2	<b>.</b> 5.	. 3	.1		1						. 1.9.	4
NNE	. 3	. 4					i						5.
NE	. 8	• 3	• 3			i	1	ī				1.3	3.0
ENE	. 8	• 6	. 6									2.3	4 . 8
E	3.8	1.1	. 6					1				5.5	3.3
ESE	3.8	2.1	• 1									6.0	3.1
SE	2.3	1.8	. 4									4.4	3,5
SSE	2.6	1.6					1	·				4.3	3.0
\$	2.9	1.8	. 6			1						5.3	3.7
\$5W	2.0	1.8	. 4					Ī	i			4.1.	3.6
sw	1.3	1.6	. 5			Ţ	L					3.4	4.5
wsw	1.3	3,9	1.8	.6								. 7.5.	5.7
W	2.1	5.9	6.5	1.3				:				15.8	6.7
WNW	1.0	2.1	1.8	• 5	. 1							. 5.5.	
NW	.9	2.4	. 6	• 1								4.0	5.2
NNW	1.6	1.0	• 1			!		·				2.8	3.2
VARBL			3.4	1.0								4.4	2 . 5
CALM		><	>		$\geq$				$\geq \leq$			21.1	
	28.2	28.8	18.2	3.6	1								905

TOTAL NUMBER OF OBSERVATIONS 798

USAFETAC FORM 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

GRAFENWOHR AAF DL 73-81 ALL WEATHER

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	**	MEAN WIND SPEED
N	•6.	. 9	, 3	1				*				1.9.	5.1
NNE	. 8	. 8	. 1									1.6	3.4
NE	. 6	. 4	• 5			1						1.5	4 . 8
ENE	. 9	• 9	• 5			1						2.3	4 . 6
E	1.8	1.0	. 6	• 1								3.5	4.3
ESE	3 • 5	2.1	1.0									6.6	3.7
SE	2 • 3	2.5	. 5	• 1								5.4	4.2
SSE	2.9	2.1	. 3				1	*	·			5.3	3.
\$	3.3	3.1	. 5									6.9.	3.6
55W	1.3	2.1	5									3.9	945
sw	. 8	1.4	.5									2.6	4.5
WSW	1.5	4.5	2,1	. 6			L					8.5	5.5
w	1.9	7.4	5,4	2.1								16.8	6.6
WNW	1.3	1.8	2.4	1.5	-1				·			7.0.	7.6
NW	1.4	2.4	1.6	1			İ		·			5.4.	5.5
NNW	1.8	2.0	. 5	.1		<u> </u>		<u> </u>	İ			4.4	4.3
VARBL		. 3	4.3	1.1	-1		L					5.8	9.3
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$				><	>-<	10.4	
	26.3	35.6	21.6	5.9	. 3			Ī			· · •	130.0.	_ 4.5

FOTAL NUMBER OF OBSERVATIONS 798

USAFETAC FORM 0-8-5 - OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 687C	RAFENWOHR AAF DL	73-81	YEARS	NOV
		ALL WEATHER	<del></del>	1500-1700 HOURS (LST)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	`	MEAN WIND SPEED
N	1.3	1.7				1						. 2.3.	3.1
NNE	• 5	. 6	.1			i 						1.3	4.0
NE	. 8:	• 1		· · · · · · · · · · · · · · · · · · ·			:					. 1.0.	3.3
ENE	1.1	• 8				•		·				2.1	3.7
E	2.3	2.0	• 6			<b>.</b>						4.9	4.1
ESE	2.0	1.0		- <del></del>								3.3	3.2
\$E	2.9	1.5	. 4				·					4.8	3.2
SSE	2.6	1.8	•1			i		•				4.5.	3.3
\$	3.5	1.8	. 4			ļ	<u> </u>					5.6.	3.4
ssw	2.0	1.1										3.1.	3.3
sw	2.4	1.5	. 4	· -		<u> </u>			· •			4.3	3.8
wsw	2.6	3.8	. 9	3			+	•—	·			7.5.	4.7
w	4.6	8.3	4.6	1.3		<u> </u>						18.8	5 . 6
WNW	1.5	1.8		. 8		<u> </u>	<del> </del>	·				6.9.	6.9
NW	1.4	1.6	1.3	. 4		<u> </u>	·	·				4.6.	5.5
NNW	1.9	. 9	• 1			<del> </del>	ļ <u> </u>	<u>.                                    </u>				2.9	3.3
VARBL			2.9	3		<u> </u>	<u></u>	· •c	·	e •		_ 3.3.	8.9
CALM	$\geq \leq$	><	$\geq \leq$	> <	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	><		18.9	<del></del>
	33.3	29.4	15.3	2.9	.1							100.0	3.8

USAFETAC FORM 0-8-5 .O.L-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENWOHR AAF DL	73-81	NOV
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	1800-2000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	. 41 - 47 :	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 8					<u> </u>							2.5
NNE	1.						,					1	2.0
NE	. 8	• 1				i			-			. 9.	2.
ENE	• 5	. 4	• 1					·	•	•		1.5	3.8
E	2.8	1.8	1.C						•	· ·		5.5	401
ESE	4.9	1.1					•	•		• • • • • • • • • • • • • • • • • • • •		6.0	2.0
SE	2.0	• 6	. 3						+			2.9	3.
SSE	2.0	, 6				<del></del>			•	·- · ·		2.6	
s	2.9	1.6					+	•		· ·- ·-		. 4.B.	3.
SSW	. 8	.3				<b></b>		•	<del></del>	· — •		- •	
sw	1.4	. 9					•	·	•	• -		. ].].	. <b>3.</b>
wsw	2.0	2.5		. 8			,					. 2.4.	3.
w	2.9	7.3		1.0			<del></del>	<del></del>	•— · · · · · · · · · · · · · · · · · · ·	•		. 5.8.	5
WNW	.9	2.4				<del></del>	<del> </del>	<del></del>	<del></del>	<del></del>		16.2	6.
NW	1.0			. 3			<del> </del>		<del>-</del>			. 5.1.	6.
NNW		1.4	-6			<del></del>	<del> </del>			•			5.
VARBL	1.6	• 6	•1			<del></del>			<del>}</del>	· :		2,4.	3.
	$\vdash$		2.8	- 3	< <del></del>					· ;*	•	. 3.1.	B.
CALM		> <		$\geq \leq 1$	> <	><	><	><	!><	><	ે>∙ઽં	36.1	
	27.2	21.6	11.9	2.9	. 4				<u> </u>			100.0:	3.

TOTAL NUMBER OF OBSERVATIONS 798

USAFETAC FORM 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870	GRAFENWOHR AAF DL	73-81 vc	APS	NOV MONTH
		ALL HEATHER CLASS		2100-2300 HOURS (L.S.Y.)
		CONDITION	<del>-</del> ·	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 6	. 4										. 1.1.	3,
NNE	• 1					•				•		. • 1.	2
NE	• 3	• 5										. 8	_3
ENE	1.6	• 5	. 3									2.4	3
E	3.8	1.6	.6		,							6.0	3
ESE	2.9	. 5										3.4	2
SE	1.8	• 3				i						2.0	2
SSE	1.9	1.3		•1								3.3.	3
5	1.5	1.9	. 4			!						4.0	4
SSW	1.3	. 6	. 4									2.3	3
sw	. 8	1.0	.1	• 1		•				•		5.0	4
wsw	1.5	2.0	1.5	•1						•		5.1	5
w	3.1	6.3	5.4	. 8	. 3					•		15.8	6
WNW	1.1.	1.7	1.1	. 9								4.1.	6
NW	1.3	1.4	. 8	. 3							-	3.6	. 5
NNW	• 5	. 8	. 1									1.4	3
VARBL			3.3	. 4		1						3.6.	8
CALM	><	><			> <		><		><		-	38.9	
	24.2	19.9	14.1	2.6	. 3							100.0	3

TOTAL NUMBER OF OBSERVATIONS \_ 797

USAFETAC FORM | 0-8-5 OL-A | PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1^667C	GRAFE	NWOHR	AAF DL		······································		73	-81		YEARS	·- ·			0 V
		_					EATHER							LL (LST)
						cox	IBITION							
ſ	SPEFD (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥ 56	`	MEAN WIND SPEED
ļ.	_ N	8_	. 4	•1	• 0		•		•	•			1.4	3.7
1	NNE	3.	3.	1.			<b>.</b>				<b>.</b>			3.8
	NE		. 3										1.0	

(KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	WIND
N	8	. 4	•1	•0.								1.4.	3.7
NNE	3	. 3	- 1									6 .	3.8
NE_	. 6	. 3	• 1									1.0	3.5
ENE	1.0	. 7	• 3									2.0	4.1
E	3.2	1.6	• 5	•0								5.2	3.4
ESE	3.3	1.2	• 2	1								4.6.	2.8
SE	2.1	1.2	. 3	• 0								3.6	3.4
5SE	1.9	1.3	•1	• 0								3.3.	3.2
S	2.5	1.9	. 3	i								4 . 7 .	3.7
55W	1.4	1.1	• 3					-	_	,		2.7	3.7
sw	1.3	1.2	. 3	• 0		·						2.9	4.0
wsw	1.6	3.0	1.3	4:			<u> </u>					. 6.6.	5.3
w	3.4	6.4	5.0	1.6	•1							16.5.	6.3
WNW	1.3	1.8	1.6	. 9	• 1				:	•		5.6	6.8
NW	1.0	1.7	. 8	• 2			1				•	3.8.	5.2
NNW	1.4	. 8	• 1	•0:								2.4	3.3
VARBL	1	• 0	2.8	. 6	• 1					· · ·		3.4.	9.2
CALM		$\geq <$	$\geq <$		> <	$\geq \leq$			><	>< .	`	29.7	
	27.4	24.9	14.1	3.7	. 3			<u> </u>	1			<u></u>	3.5

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_6377

USAFETAC FORM 0-4-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC

### SURFACE WINDS

ATH WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER COMMITTION

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SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	6.	. 4				,	•		•			1.0.	. 3.
NNE		• 3				+	•					1.0.	2.
NE	• 3	• 1		i								4.	4.
ENE	. 7	. 7	. 3							•		1.7	4.
E	3.8	1.5	. 3			+		•	<b>.</b>			5.6	_ 3.
ESE	5.9	1.4				·	<b>.</b>				_	7.3.	. 2.
SE	2.4	. 7				1	*~					3.1	. 3
SSE	2.5	. 4	• 1			i						3.1	2
\$	1.7	• 7	• 6	• 3								3.2	4
SSW	1.4	1.3	. 4						_			3.1	3
sw	• 6	. 8	• 3	<b>-</b>					:			1.7.	4
wsw	2.1	1.7	2.2	•1						•		6.2	5
w	2.9	6.4	6.2	2.7	.1				•	•		18.3	6
WNW	1.0	1.3	1.4	1.3						•		4.9	7
NW	• 3	1.4	• 3	•				1				2.0	4
NNW	• 3	.6				•	1	•		•	-	. 8	4
VARBL			2.4	.8				*	<del>-</del>	• — ·	•	3,2	9
CALM		$\geq <$	$\geq$		$\geq$	$\geq \leq$	$\geq \leq$	$\geq$				33.6	. 70.44
	27.0	19.7	14.4	5.2	1							100.0	3

TOTAL NUMBER OF OBSERVATIONS 715

USAFETAC FORM 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106870 STATION	GRAFENHOHR AAF OL	73-81	YEARS	DEC
		LL WEATHER		0300-0500 HOUSES (E.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥ 56	•	MEAN WINE SPEED
N	7	. 7	•1				·					. 1.5.	3.
NNE	. 1	1					***		·			3	2
NE	. 4	. 4											
ENE	.7	• 5	. 3			:		1				1.5	4
E	4.2	1.9	. 3									6.3	3
ESE	5.7	1.6	. 4									7.7	_ 2
SE	2.6	. 9					1					3.6	. 2
SSE	2.0	• 5	. 1			!						2.6	3
S	1.2	2.1	•1	. 4	1	!						. 3.8.	5
ssw	.7	1.1	.1			•	,		• — - — — — — — — — — — — — — — — — — —			1.9	3
SW	1.5	. 9	. 9	•1		1						3.4	4
wsw	1.7	2.8	2.0	, 3					•	•		6.7	5
w	2.2	5.7	6.6	2.8	. 3				<b>+</b>			17.6	7
WNW	1.1	. 7	1.3	1.2		•	i		•	•		4.2	7
NW	.7	1.1	. 5		<b>+</b>		1	!				2.4	5
NNW	.8	. 4		·		1		1	+	•		1.2.	3
VARBL	#		2.0	.1	.1	1		+	:	•		2.2	. 9
CALM		$\geq \leq$	$\geq $			$\geq$		$\geq \leq$				32.3	·
	26.2	21.3	14.8	5.0	1			1				100.0	

75.

USAFETAC FORM 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6673 STATION	GRAFENWOHR AAF DL	73-81 YEARS	DEC -
		ALL WEATHER	3600-9800 House it st 1
		COMPITION	

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10 :	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
Z	• 5	• 6										1.1.	3.1
NNE	• 3	• 1				:						4.	2,1
NE	• 6	• 1	• 3							_		1.0	4 . 1
ENE	1.3	. 4	• 3									1.9	3.7
€ .	4.2	2.2	. 4			1						6.8	3.3
ESE	5 • 6	. 9										6.5	2.5
SE	3.2	• 5	• 1									3.8	2.4
SSE	2.0	. 9				†			•	· · · · •		3,1	3. 1
5	2.4	1.4	•1			T				•		4,0.	3.5
SSW	1.1	. 8	• 1				1		•	- •		2.0	3.8
sw	1.4	1.1	. 5					•	•	•		3.1	4 . 5
wsw	1.3	3.1	1.9	•1		1	1		•	•	_	6,4	5.6
w	1.8	5.7	6.0	2.2		1			• .	•		15.7	7.1
WNW	. 8	2.3	1.0	, 8		-	1		•			4.9.	6.3
NW	• 8	. 8	. 4	.4			1	1		•		2.3	5.6
NNW	. 4	• 5	• 5				1	1	•			1.4.	5.6
VARBL			1.8	1.0		1	1	<del></del>	•	•		2,8	9,9
CALM		><		$\geq \leq$			$\geq$					32.8	
	27.7	21.5	13.5	4.5								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 783

USAFETAC FORM 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSCILITE

2

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106870	GRAFENWOHR AAF DL	73-81		DEC
STATION	STATION NAME		PARS	MONTH
		ALL WEATHER		0900-1100
		CLA96		HOURS (L S T.)
		COMDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	.4	, 4	.1				·					9 .	4.
NNE		• 3		·			•					3.	. 4.
NE	1.1	. 3			· ·		· 	Ĺ	<b>.</b>	· <del>-</del>		1.4	3,
ENE	1.3	. 3	• 3			i						1.8	3,
E	3.6	3.7	• 6							·		7.9	
ESE	5.5	1.1	• 1			<u> </u>		<u> </u>				. 5.7	2
SE	3.8	. 8	• 1						:			4.7	_ 2
SSE	1.9	. 9					·	: +		•		. 3.2.	_3_
5	2.4	2.7	.5			L			·			5.6.	. 4
55W	1.7	1.3	1						·	<u>.                                    </u>		3.1.	3
sw	1.5	2.0	• 5	-1			i	-	<u> </u>			4.2	4
wsw	1.5	3.2	1.3	. 3			<u> </u>	<u> </u>	: • —	·	_		5
w	2.0	6.0	6.0	2.3						<u> </u>		. 16.3.	
WNW	.8	1.7	1.7	5	<u></u>	1	ļ			·		. 4.6.	.6.
NW	. 9	. 9	. 6	. 4	i •	L	ļ <u>.</u>					2.8	5_
NNW	•6	• 5	• 5	.1	<u> </u>			<u> </u>	<u> </u>	·		. 1.8	5
VARBL			2.4	1.8	.1			<u> </u>	·			4.3	_ 10
CALM		><	><	><	$\geq \leq$				><	>< .		24.3	
	29.0	25.8	15.3	5.5	1				1			130.0	3

TOTAL NUMBER OF OBSERVATIONS 786

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 '687D	GRAFENWOHR AAF DL		VEARS	DEC
		ALL WEATHER CLASS		1230-1400 HOURS (L S T )
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	: 22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	<b>\</b>	MEAN WIND SPEED
N	• 3	• 6				i						9	3.7
NNE	. 3		. 1							• • • •		. 4	3.3
NE	1.0	• 6	• 3								•	1.9	3.8
ENE	. 4	1.0	• 5					1				1.9	5.1
E	3.3	1.8	. 8	• 1		:			<del></del>	• • • • • •	•	6.J	4.0
ESE	4.0	3.6	. 1								•	7.7	3.5
SE	3.8	1.4	. 5								•	5.8	3.3
SSE	2.4	1.7	. 4						•		•	4.5	3.5
S	2.8	4 . 2	. 8			:			•	• • • • • • • • • • • • • • • • • • • •	•	7.8	4.2
ssw	1.7	2.2	. 3			Ī			<b>+</b> · ·	•	•••	4.1	
sw	1.2	• 8	. 8	•1			:				•	2.8	4.9
wsw	1.9	2.8	1.7	• 1				•	•	•		6.5	5.0
w	3.1	6.0	9.0	1.9	. 3	•		•	+	•	•	20.3	7.2
WNW	1.0	1.3	2.2	• 5				*				5.0	6.9
NW	. 8	1.8	1.0	. 6								4.2.	6.5
NNW	. 6	1.3	• 1								•	2.1	4,2
VARBL		• 1	3.7	1.8	• 3			!	+	•	•	5.9	10.0
CALM	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq$	$\geq <$		12.2	
	28.6	31.3	22.2	5.3	5							<u>. 100.0:</u>	4.8

TOTAL NUMBER OF OBSERVATIONS 780

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106870	GRAFENHOHR AAF DL	73-81		DEC
STATION	STATION NAME		YEARS	MORTH
		ALL WEATHER		1500-1700
		CLASS		HOURS (L S T )

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	. 34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	8	, 4	3									. 1.4.	9.3
NNE													
NE	5				· 	<u> </u>	•	<del></del>	<u> </u>				2.5
ENE	. 5	1.3						·	<u></u>			1.8	3.9
E	4.0	3.1	. 9	• 3				· 				3.2	4.0
ESE	4 - 3	1.8						: 	<u>i</u>			6.1	2.9
SE	3.2	1.4	3						i .			4.9	3.1
SSE	2.4	1.0	• 1									3.6	3.4
S	3.1	2.2	•1		i			!	i			. 5.4.	3.5
SSW	1.5	1.2	• 3									3.0	3.7
SW	1.0	1.4	• 5					1			<del>-</del>	3.0	9.5
wsw	1.5	3.6	1.5	• 1			<del>+</del>					6.8	5.3
w	4.3	7.9	7.7	1.7	. 4		1	<u> </u>				21.9	6.5
WNW	.6	1.7	1.3	. 5		-	1		<del></del>	•		4.1.	. 6.4
NW	.9	1.4	.4	. 3			<del>                                     </del>	<del> </del>				3.0	5.0
NNW	.8	. 1	. 4	•1	·		<u> </u>	<del></del>	<u> </u>	•		109.	5.3
VARBL	•1	• 1	3.9	.6	• 3	i	<del> </del>	<del></del>	<del> </del>			5.0	9.3
										*	· < = = - ·	19.8	
CALM										<b>,</b>		. 4700;	
	29.6	28.6	17.7	3.6	. 6			Ī				100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 776

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIF REATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6873 GRAFENWOHR AAF DL 73-81 DEC ALL WEATHER 1830-2000 MEAN WIND SPEED 5.5 3.3 2.5 • 3 NE 1.0 4.3 3.4 3.9 3.5 ESE 5.2 1.3 2.6 2.6 1.0 2.8 1.7 1.0 5 2.2 1.2 3.8. 3.4 . 4 1.0 •1 \_ \$5W 4.4 1.2 1.3 SW . 4 wsw 2.4 2.5 1.7 5.4 4.5 6.6 6.0 1.7 6.0 1.2 WNW 1.6 4.5. 6.2 NW 2.1 NNW 3.5 9.6

TOTAL NUMBER OF OBSERVATIONS

763

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP JEATHER SERVICE/MAC

2

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106870	GRAFENHOHR AAF DL	73-81	DEC
STATION	STATION NAME	YEARS	MONTH
	t	ALL HEATHER	2100-2300
		CLASS	HOURS (L S T.)
		COMPLETAN	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	`	MEAN WIND SPEED
N	. 3	1										4	2.
NNE	. 6					! 			·	·	<b>.</b>	_ 9.6 .	1.
NE	.4	• 6					,		·	· •		1.0	3.
ENE	1.1	. 6	. 1						! <del></del>	•		1.8	3.
E	4.4	2.6	. 8							·		7.9	3.
ESE	5.0	1.2			·		·	·			. ~	6.2	
SE ,	1.8	1.4			·	<u> </u>			·			3.2	. 3
SSE	1.7	. 6					<u> </u>		•			2.2	. 2
5	1.8	2.2	. 1			<u> </u>			·	•	·· · · ·	4.2	3.
ssw	1.2	. 7	3				<u> </u>					2.2	
sw	1.1	1.0	1.0		<del></del>				· •	•	·	3.1	5.
wsw	2.9	3.1	2.1	. 4			<u> </u>	· —— ·—-	·			8,5	5
_w;	3.9	5.8	6.9	1.2		İ				·		17.9	_6
WNW	.8	1.0	2.1	.6		!			• —	•		4.4	6.
NW	.7	1.1	. 7	.1		<u> </u>	<u> </u>		·		· · · · <del> •</del>	2.6	_5
NNW	.6		. 3					·				8	3.
VARBL		• 1	2.4	. 8								_ 3.3	91
CALM	$\geq \leq$	$\geq \leq$	><	$\geq \leq$				$\geq \leq$	><	<u>,</u> `><`.	><	29.6	
	28.3	22.1	16.8	3.2					!	•		100.0	

TOTAL NUMBER OF OBSERVATIONS 721

SLEBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

GRAF	ENHOHR	STATION	HARE		<del></del>	73	-81		tass -			0	E C
					ALL W	EATHER							LL
					c	LA SS						MOURS	(LST)
					cor	DITION							
<u></u>							-						
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	: 22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. •5	. 4	• 1									1.0.	3.
NNE	• 3	. 1	• 0									- 4	2.
NE	• 6	• 3	.1									1.0	
ENE	. 9	• 7	. 3									1.8	4.
E	3.9	2.5	.6	• 0		L					-	7.1	3.
ESE	5.1	1.6	.1									6.9	2.
SE	3.0	1.0	.2									4.1	. 2
SSE	2.1	• 9.	. 2									3 • 2	3.
S	2.2	2.1	, 3	.1								4 . 8	4.
ssw	1.2	1.2	.2				*					2.6	3.
sw	1.2	1.2	.6	• 0			· 					3.0	4.
wsw	1.9	2.8	1.8	• 2		!						6 . 8	5.
w	3.1	6.3	6.8	2.1	• 1	!						18.3	6.
WNW	1.3	1.4	1.5	.7	• 0							4 . 6	6.
NW	. 7	1.1	.6	. 3				[				2.7	5.
NNW	• 6	• 5	. 2	• 0								1.3	4 .
	• 0	.0	2.6	1.1	. 1		1					3.8	9.
VARBL	• • •											J	

TOTAL NUMBER OF OBSERVATIONS 6079

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6870 STATION	GRAFENWOHR AAF DL	73-81 YEARS	ALL
	ALL	WEATHER CLASS	MOUSE (LST)
		CONDITION	_

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.7.	. 7	• 2	•0								1.9.	3.7
NNE	6	. 4	. 1	.0		· 			·			1.2.	3.5
NE	. 9	. 6										1.7	3.8
ENE	1.4	1.3	• 5	.0								3.2	4.3
E	3.1	2.6	•7	• 0	• 0							6.5	4.0
ESE	2.7	1.4	• 2	• 0				:				4.3	3.3
SE	1.6	. 9	• 2	• 0		[				:		2.7	3.4
322	1.2	. 7	• 2	.0					Ī			2.1	3.5
5	1.5	1.3	. 3	• 0								3.1	3.9
ssw	1.0	. 9	• 2	.0		1						2.0	4.0
sw	1.0	1.0	. 3	.0		1	•					2.3	4.3
wsw	1.5	2.0	1.0	. 1		1	•			1		4.6	5.0
w	3.0	5.0	3.8	. 9	•0	:	:	1				12.7	5.9
WNW	1.2	2.1		. 5	• 0		:					5.7.	6.1
NW	1.1	1.5			• 0					1		3.7	5.4
NNW	1.3	1.0			• 0			1	1	1		2.7	4.0
VARBL	.0		2.4	.6		.0		!	•	· · ·		3.2	9.2
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq$	$\geq$	$\sim$	$\geq <$	36.4	
	24.0	23.5	13.4	2.5	1	0						100.0	

TOTAL NUMBER	OF OBSERVATIONS	7760

GLOBAL CLIMATOLOGY BRANCH USAFETAC

### SURFACE WINDS

ALE WEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	`	MEAN WIND SPEED
N	.7	3	•1	•0								1.0.	3.2
NNE	• 3	. 2	• 0	• 0								. •6	
NE	.6	. 4	• 1								-	1.1	3.6
ENE	1.0	. 9	. 3	• 7				1				2 • 2	4.1
ε	3.4	1.9	. 5	.0			• • • • • • • • • • • • • • • • • • • •		•	•	•	5.8	3.5
ESE	3.7	1.1	. 1	.0				*	•		•	4.9	2.6
SE	2.5	1.1	• 1					*	• • • • •		•	3.7	3.0
SSE	1.8	. 8	.1	.0				<b></b> ·	•	•	•	2.7	3.1
S	1.7	1.3	• 2	• 01	1			•		•		3 • 3	3.6
ssw	1.1	.6	. 1	• 0				*	•		• -	1.8	3.3
SW	1.1	. 8	. 3	.0					• • •	• -	•	2.2	4.0
WSW	1.8	2.1	. 9	. 2	,		•		†	• • •	*	5.0	4.8
W	3.7	6.1	4.2	.9	.0			*	•	•-	•	14.9	5.7
WNW	1.7	2.2	1.5		• 0			<del>+</del>	• • • • • • • • • • • • • • • • • • • •	•		5.6	5.4
NW	1.1	1.3	.6					<del>•</del>	•	• · ·	•	3.1	4.6
NNW	1.1	• 5	.1	.0				<del></del>			•	1.8	3.4
VARBL		.0	1.1	. 4	. 0	•0		•	·		<del></del>	1.5	9.4
CALM			><		$\sim$	> <	> <					38.8	
	27.2	21.7	10.3	1.9	0	0		************			¥: ===:::::::::::::::::::::::::::::::::	100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

U S ATR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

### PART D

### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- By month all years and all hours combined
   By month by standard 3-hour groups

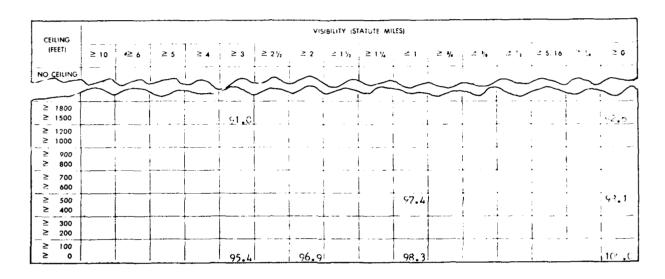
Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and nigher pri r t January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the 'no ceiling' category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1 40. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "n ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1960.

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#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION



- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq$  0. For instance, from the table: Ceiling  $\geq$  1500 feet = 92.6%. Ceiling  $\geq$  500 feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table: Visibility  $\geq 3$  miles = 95.4%. Visibility  $\geq 2$  miles = 96.9%. Visibility  $\geq 1$  mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq$  1500 feet with visibility  $\geq$  3 miles = 91.0%.

#### ADDITIONAL EXAMPLES

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet

and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility  $\geq$  1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

<u></u>	AFEN#O	HP AA	STATION NAM		RCENT	AGE F	±23 REQU	B1 ENCY	OF O	CCUR	RENCE				موود.	<b>Aù</b>
					(FR	OM H	IOURL	Y OBS	ERVAT	(SNO)					# 1, <b>F</b>	
CELING	-			2			VIS	SIBILITY ST	AT. TE MIL	ES .						**
	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥	≥'.	≥ 1	≥ .	≥ .	2	25 8	· .	2.
NC CEIUN. 20000	3.4	5.9						16.4							17.8	
≥ 18000 ≥ 16000	5.1	7.7	8.8	13.9	17.1	17.1	19.1		20.0	20.5	20.7	20.9	20.9	21.1	21.1	
≥ 14000 2 17000	5.1	7.7	9.3	14.0	17.2	17.2	19.2		20.1	20.6	20.9	21.3	21.0	21.2	21.2	21.
± 1000€	5 • 3	8.1	9.5	14.8	18.0	18.0	27.4	21.0	21.2	21.7	22.0	22.1	22.1	22.4	22.4	
2 7000	5.7		10.2	15.8	19.0	19.0	21.4	22.0	22.3	22.8	23.7	23.1	23.1		23.4	23.
≥ 6000 ≥ 5000	5.8		17.4	16.2	19.7	19.7	22.1		23.1	23.6	23.5	24.0	24.0		24.3	
: 4500 : 4000	6.4		11.8	18.2	21.9	21.9	25.0		26.4	26.9	27.2	27.6			28.1	
± 1500 ± 1506	7.3		13.4	20.1	24.0	24.0	27.6	29.1	29.8	30.3	30.8	30.3. 31.2			31.7	32.
2000			17.3	26.8	31.4	31.0	35.9		38.2	38.9	39.4	39.8	4^.3	43.6	40.6	41.
2 180C 2 50C	12.5	19.1	21.6	33.5	39.8	39.8	45.6	47.7	49.1	50.3	50.8	51.2	51.7	52.0	. <u>49.2.</u> 52.0	52.
2 200 2 1000	15.8	22.9	25.7	41.1	49.1	49.2	57.9	61.9	63.5	65.7	66.4	67.0	67.5	67.8	<u>58.2</u> 67.8	68.
> 900 2 800	16.2	23.6	27.3	44.4	53.0	53.1	62.5	67.5	69.0	72.4	73.2	74.0	74.6	74.6	. <u>73.3.</u> 74.8	75.
≥ 700 ≥ 500	16.2	24.0	27.8	46.4	55.8	56.3	67.8	73.2	75.0	78.5	79.3				75.1. 80.9	
≥ 590 ≥ 400				47.3	56.9	57.5									87.4	
: 30c			27.9		58.2	58.8	71.0	78.5	82.0	88.4	89.6	90.6	91.5	92.3	92.7	93.
	. 16.2	24.	27.9	47.8	58.2	56.8	71.5	75.5	82.0	89.0.	92.5.	91.8.	93.0.	94.2	94.6	95.
	16.2	24 . Di	27.9	47.8	58.2	59.8	71.2	78.6	82.2	89.4	91.0	92.3	93.6	95.2	96.21	Lage

SECSAL CLIMATOLOGY BRANCH PRISTAC AL WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATES STATES STATES THE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

\_ 73-a1

010G-050G

CEITING							V15	SIBILITY ST	ATUTE MIL	ES			_			
FEE!	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2:	_ ≥ ?	≥ :	≥1 .	21	٠.	٤.	2	25 6	2 •	ž.
NO CEILING ≥ 20000	4.4	5 · 6		11.3			_		-							
00081 ≤	5 - 6	7.0	8.7	12.8	15.2	15.7	17.6	18.3	18.5	19.1	19.5	19.6	19.6	19.8	23.1	20.8
≥ 14000 ≥ 12000	5.6	7.d 7.1	8.7	12.8	15.2	15.7	17.6	18.3	18.5	19.1	19.5	19.6	10.6	19.5	27.1	
≥ 10000 ≥ 9000	5.9	7.2	8.2	13.5	15.8	16.3	18.2	19.0	19.1	19.7	27.1	23.2	2"•2	23.4	29.7	21.4
≥ 8300 ≥ 7000	6.5	8.d -8.2		14.2												
2 6000 2 5000	6 • 7 7 • 6	8.2	9.4	14.7	17.2	17.7	19.8	20.7	27.8	21.4	21.8	21.9	21.9	22.2	22.4	23.2
2 4500 2 4000	8.7 8.5	9.6	- :	16.8			_	_				_		-		
≥ 350u ≥ 900				19.2											29.9 34.0	
2000 2000			,	25 · 8												
2 1500 2 1500	15.1			31.8								_				
2 200 2 1000	17.7		- ,	38.8					-							
2 800	18.8	24.8	28.3	43.0	53.2	54.1	64.8	69.2	70.0	73.3	73.8	74.6	75.2	75.4	75.74	76 - 4.
2 800	18.9			45.5												79.2 83.9.
: 500 : 400	19.1	25.3 25.3		46.9							84.7					
2 300 2 200 3	19.1		28.8	46.9	56.1	57.5	71.8	78.7	-11-4			91.8	93.0	94.8	95.1.	97
				46.9				_		-						-

USAF ETAC - 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEEAL CLIMATOLOGY BRANCH USAFETAC AL- WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72 GR	FENHOR	AAF	TATION NAM				73-	81		<del></del>					- JAN	
				PER	RCENT. (FR			ENCY Y OBS	-	_					<del>-635-0</del>	883
CEILING					· <del></del> -		viS	18.L-*+ STA	ATUTE MILE	<u></u>						`
1881	≥10	≥ 6	≥ 5	≥ 4	2.3	≥2 : !	≥ 2	≥ .	≥1.	≥ 1	2 •	٤.	2	25 5	` .	 ≥0
NO CEIUNG 20000	3.3	5.2													16.1 1 17.0.1	
≥ 18000 ≥ 18000	4.2	5.6	5.2	11.0	,	13.4	15.0	15.6	15.6	16.3	16.3	16.5	16.5		17.2 1	

FEE:	≥10	≥ 6	≥ 5	≥ 4	<u>2</u> 3	≥2:	≥ 2		≥1.	≥ 1	2.	٤,	2	25 s	· .	
NO CEIUNG 1 20000	3 • 3 4 • 2	5.2					_	14.6	-			15.3	15.7	16.1 17.E	16.1 17.E.	16.3
≥ 18000 ≥ 16006	4 • 2 4 • 2	5 • 6 5 • 6	5 • 2 6 • 2	11.0 11.0	13.4	13.4	15.0 15.0	15.6 15.6	15.6 15.6		16.3 16.3.	16.5	16.8	17.2.	17.2	17.5
≥ 14000 ± 17000	4.2	5.6		11.0	13.4			15.6 15.7						17.2	17.2	17.5 17.6.
2 10000 2 9000	4.7 5.3	6.1	6 • 7 · 6 • 9	11.6	14.0	14.0		16.5 16.8			•	17.3 17.7.	17.9 18.3	18.3	1°.3 18.7.	18.6
≥ 8000 ≥ 7000	5.6 5.7	7.4	8.5	13.6	16.3	16.3 16.5	19.6	19.4 19.9	19.4		20.2 20.7.	20.3	20.9	21.3 21.5.	21.3 21.8.	21.5 22.3.
2 5000 2 5000	5 • 8 6 • 6		10.0	14.1	17.5	18.9	21.7	20.9 22.5.	22.5.	23.3.	23.3.	21.8	24.0	22.3	24.4.	23.0 24.6.
7 4500 2 4000 2 3500	8.4	9.2	12.7	16.5 18.3	19.8 21.7	19.8 21.7	24.9	23.9.	26.4	27.2.		24.9 27.4.	25.5 28.0	28.3.	28.3.	28.6.
2 1000 2 1000 2 2500	8 • 7 9 • 9	12.5	12.4		22.5	25.9	29.1	27.5 30.7	30.7.	31.8	31.8.	28.6 31.9.	29.2 32.5	32.9.	32.9.	
2 1800	11.9	15.8	16.1	28.3	33.4	33.7	38.6	4 Ca 3	40.6	42.3,	42.3.	42.5.	43.1	36.4 <u>43.6.</u> 45.4	43.5.	43.5.
2 1500 2 1200	15.0		23.6	34.2	39.4	39.7	46.9	49.5	49.8	51.9	51.9.		52.8	53.3.	53.3.	53.6. 52.
2 1000 2 900	17.2	23.4		41.6	47.9	48.9	58.0		62.1	65.3	65.6	66.7	67.2	67.7.	67.7.	67.2
2 8UK:	17.3	23.5	28.2	44.2	51.7 53.1	52.7	63.1		68.2	71.8	72.	72.5	74.0	74.5.	74.5.	74.8.
2 600	17.7	24.1	29.2	47.2	55.2	56.3	68.9	71.4	75.5	81.3	81.7	82.3	84.2	85.0		80.2 85.3
300	17.7	24.1	29.2	47.3	56.1	57.3	70.2	77.4	78.6	86.4	87.7	88.3	90.6	92.3	93.2	93.7
2 200 > 130	17.7		29.3		56.2	57.4	77.3	77.6	79.8	87.5	88.5	89.7	93.1	94.7	98.4	79.5
L	1/07	24.1	24.3	47.4	56 · Z	57.4	7'1 • 3	77.6	78.8	87.5	88.5	89.7	93.1	95.8	98.4	1, C • .

USAF ETAC - 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

GLOPAL CLIMATOLOGY BRANCH SCAFETAC ATT REATHER SERVICE/MAC

SAMON SAMONR AAF OL

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-61

−-<del>49</del>7.

/F ( NG							v 151	BILITY STA	IT, TE MILE	٠						,
· • • • • • • • • • • • • • • • • • • •	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2: '	≥ 7	2	2	21	· ·		2	25.6	, .	· · ·
NO CEIUNG ≥ 20000	3.4	5.7	5.9 7.5		11.4	_			14.5		- T		15.9		16.1	16.4
≥ 18000 ≥ 16000	4.4	6.2							18.0							23.4
≥ 14000 ≥ 12000	4.4	6.2	7.5	12.5					18.0				19.7	20.2	20.2	20.4
2 19000 ≥ 9000	4.7	6.4			- 1				18.7		19.6	23.3	20.4	20.9	20.9	21.2
≥ 8000 ≥ 7006	5.3	7.0 8.0		1	15.9	16.4	19.7	20.7	20.7	21.5	21.5				22.9	
2 6000 2 5000	6.7	8.0	9.3	15.3	17.5	18.1	21.6	22.8	22.8 25.E	23.6	23.6	24.1	24.5	25.0		25.2
₹ 4500 1 4000	7.5	10.1	11.6	19.3	21.6	22.3	26.2	27.7	27.8	28.8	28.9	29.4	29.8	30.3	30.3	36.5
≥ 1500 ≥ 1006	8.2	11.4	13.0	20.9	23.4	24.3	28.2	30.0	30 • 1 33 • 2	31.5	31.6	32.1	32.5	33.1	3.2د	33.5
2500 2600	11.2	16.0	18.5	26.7	29.8	30.5	35.7	38.4	38.9	40.2	40.3	47.8	41.2	41.8	41.9	42.2
800 2 5.X	12.8	18.9	21.6	31.1	35.4	36.3	41.7	44.8	45.8	47.6	47.7	48.3	48.7	49.3	49.4	49.7
2 200 2 1000			26.8	39.2	45.9	46.7	54.4	58.4	59.5	62.5	62.7	63.6	64.1	64.7	64.8	
2 80K			28.7	42.8	50.8	51.8	60.1	64.7	66.2	70.6	71.0	72.0	72.4		73.2	73.4
70C 2 50C			29.4	45.6		55.8	66.4	71.8	73.3	79.1	79.7				82.4	82.7
: 500 ≥ 400	15.7	25.5	29.6	46.4	56.3	57.9	69.4	75.4	77.2. 79.6	83.6	84.7				88.7	88.9
2 300 2 200		25.5	29.6	46.4	56.7	58.4	73.5	78.ú	80.1	87.9	89.4	91.3	93.1	95.1	95.8	96.3
, , , , , , , , , , , , , , , , , , ,	15.7	25.5	29.6	46.4	56.7	58.4	70.5	78.1	80.2 80.2	88.4	90.5	92.6	95.0	97.7	98.91	0.00

GLOBAL CLIMATOLOGY BRANCH USAFETAC AI~ WEATHER SERVICE/MAC

1 627 GEAFENWOHR AAF DL

## CEILING VERSUS VISIBILITY

ZATHOM				STATION NAME	-		AGE F			-						12,12	- <u>1400</u>
•	CER NO							¥15	BILITY STA	N'_'E Min							
	*661	≥10	≥ 6	≥ 5	≥ 4		22.	≥ ?	≥	≥ .	<u> </u>	· ·	≥ .	2	≥5 6	· ·	
•	N⊙ : EUNO • 20000	5 • 5	8.7 10.2				17.6				20.1						20.1
•	2 18000 2 16000	7.4	11.5	11.8		21.8	22.7	24.4	25.4	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7
•	≥ 14000 ≥ 12000		11.5		18.7	21.8	22.9		25.4. 25.4		25.7 25.7						
	- 1000C		11.6	11.9	18.8	21.9	23.0 23.0	24.5 24.6	25.5 25.7		25.9. 26.1	25.9	25.9. 26.1	25.9. 26.1	25.9. 26.1	25.9. 26.1	. <u>25.</u> 9
	≥ 9000 ≥ 8000		11.8			22.2					26.4			26.4	26.4	26.4. 27.8	26.4
	2 7000 7 6000	3.7	12.8	13.3	21.6	25.2	26.4	28.2	29.3.	29.4	29.7.	29.7.	29.7.	29.7	29.7.	29.7	29.7
	5000 ± 4500	3.9	13.8	14.3	24.1	27.8	29.9	31.0	32.1.	32.5	32.9.	32.9	32.9	32.9	32.9	32.9	32.3
	* 400C	11.7	14.7 16.1	16.7	27.2	30.9	32.1	34.4	36.2	34.2 36.6	37.1.	34.6 37.2	37.2	37.2	37.2.	37.2.	34.6 37.2
	2 3500 2 1006		16.6				32.8				37.8 <u>42.4</u>					37.9 <u>42.5</u>	
	2500 2006		21.9	22.9			40.9		45.4		46.7 50.9	46.8 51.0	46.8 51.1	46.8	46.9 51.1	46.8	46.8
•	2 80C		25.2 28.1		39.9	45.4	46.8	49.6	51.7		53.1			53.3		53.3	53.3 61.9
•	20C 20C	20.6	29.2	31.7	48.6	57.5	59.5	63.8	66.5	67.4	69.2		69.5	69.7	69.8	69.8	69.8
,	+ 90X. 2 80X:		37.3	33.5		61.0		68 - 1			75.6	76.2				77.2	77.2
	<u>&gt; 700</u>	21.2	30.9		54.2	64.8	67.2	72.5	76.7	77.8 61.5	8C-8	85.6	86.0	86.7	83.0. 87.1		87.1
•	2 800 3 500		30.9		54.3		68.0				87.6				92.7		
	≥ 400 ± 300		33.9								92.6				96.4		
		21.2	30.9	34.5	54.4	65.8	68.3	76.8	84.9	86.8	93.5	94.8	95.4	97.7	99.3	99.5	99,9
i			33.9		1												

73-81

USAF ETAC 10164 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ULUBAL CLIMATOLOGY BRANCH BRASETAC ATH REATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

GRAFENHOHR AAF DL

\_\_\_\_\_7<u>3-81\_\_\_\_</u>

15<u>00-170</u>0

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

159B=1101

CERING							VIS	BILITY ST	ATUTE MILI	ES.						
' FEET	≥10	≥6	≥ 5	≥ 4	23	≥2.	≥ 2	≥1.	≥1.	≥1	2.	≥ .	2	≥5 '6	2.	· ·
NO CEIUNG 2 20000	5.7	10.7	11.9	17.5 20.7	19.3	19.7		22 • 1 26 • 3				22.2	22.2	22.3	22.3	22.3
≥ 18000 ≥ 18000	7.4 7.4	13.0 13.0		21.6	23.0	24.5	26.0 26.0	1		27.3	27.3 27.3	27.3	27.3	27.4 27.4	27.4 27.4.	27.4
≥ 14000 2 12000	7.7 7.7		- T - T -	21.8	23.3	24.8		27.5 27.8	27.5 27.8	27.6	27.6. 27.9.	27.9	27.6	27.8	27.8	27.3 28.1
≥ 10000 ≥ 9000	7.8 7.8	13.8	15.0 15.1	22.3	23.8	25.3 25.4		28.1 28.3		28 • 3 28 • 4	28.3	28.3 28.4.	28.3	28.4 28.5	28.4 28.5.	28.4
3 8000 3 7000	8 • 1; <u>8 • 3;</u>	14.4	16.7	24 • 2 25 • 7	25.9 27.5	27.4 29.0			30.2 31.8		30.41 32.6	30.4	30.4	30.5 32.1	30.5 32.1.	30.5 32.1
2 6000 2 5000	9•3 <u>13•</u> 0	15.5 17.0	18.6	26.3 28.6	30.5	29.6 32.3	34.0		35.6	35.7		35.7.	33.0 35.7	35.8	35.8.	33.1 35.5
4500	13.7 . 11.6	17.7 18.8	20.4	31.2	33.1	35.1	36.8	38.7	38.7	38.8	38 - 8:	38.8.	38.5	37.4. 38.9	37.4 38.9.	37.4
2 7500 2 3900	12.6	20.1	24.7	36.8	39.3	37.3	44.0	41.8	46.5	46.8	46.8.	41.9	46.8	47.0	42.0 47.0	42.5 47.3
2500 2000	16.1	26.3	27.7	42.3	42.5	44.5	50.4	53.0	53.C	53.5		53.7.	50.2 53.7	53.8.	50.3 53.8,	53.8.
2 500 2 500	19.0	26.8	32.6	43.2	46.5 51.8	53.8	57.2	60.7	60.8	61.3	55.0 61.5	61.7.	55.1 62.0	62-1	55 • 3: <u>62 • 1</u> ,	52.1
2 1000	19.7	31.2	37.2	55.5	57.9	64.9	73.8	69.1 76.1	76.6	78.2	78.4	78.9	79.3	71.1 79.6	79.6.	79.6
≥ 800 ≥ 700	20.1	32.3 33.0	33.9	58.5	64.2 66.D		75.7	81.8	82.5	84.3	84.6	85.4	85.7	82.9 86.2	85.2	86.2
2 600	23.3	33.1 33.1	39.2 39.2	59.0		69.3	78.4		86.5	90.1	87.4 90.7	91.4	92.1	69.0 92.6	92.6.	92.6.
2 400 2 300	20.3 20.3	33.1 33.1	39.2 39.2	59.4	66.7 67.4	69.9 70.6	79.8	87.6	89.0	93.7	94.4	95.2	96.7		97.4.	97.4. 98.5
± 200 > 100	20.3 20.3	33.1 33.1	39.2	59.4	67.4	70.6	79.8	87.7	89.2	94.4	95.2	96.0	97.5	98.9	99.4.	99.6
2 0	20.1	33.1		59.4		- 1			89.2	94.4				98.9		

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ACJ

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

1910-3000

VISIBILITY STATUTE MILES 23 27. 1 27 1 22 1 21 21 21 21 2. 2. 2. 2. 25 6 2. 2. ... 8.6 9.7 14.6 16.6 16.7 18.2 19.7 20.0 20.7 20.8 20.8 21.1 21.5 21.7 22.1 .: 20000 9.7. 11.4. 17.5. 19.9 2.1. 21.8 23.3 23.6 24.6 24.7 24.7 24.9 25.3 25.6 25.9 6.5 10.3 12.0 18.1 20.5 21.0 22.7 24.2 24.4 25.4 25.6 25.6 25.8 26.2 26.4 26.8 5.5 10.3 12.0 18.1, 20.5, 21.0 22.7, 24.2 24.4, 25.4, 25.6, 25.6, 25.8, 26.2, 26.4, 26.8 2 1400K 6.9 17.8 12.5 18.6 21.0 21.5 23.2 24.7 24.9 25.9 26.1 26.1 26.3 26.7 26.9 27.3 6.7, 11.7, 12.8, 18.9, 21.2, 21.7, 23.4, 25.1, 25.3, 26.3, 26.4, 26.4, 26.7, 27.0, 27.3, 27.7. ≥ 10000° ≥ 9000° 7-1 11-2 12-9 19-0 21-5 22-0 23-7 25-4 25-7 26-8 26-8 27-0 27-4 27-7 28-0 7.2 11.3 13.0 19.1 21.6 22.1 23.8 25.6 25.6 26.8 26.9 26.9 27.2 27.5 27.8 28.2 ± 8000 ± 7000 7.4 11.7 13.4 20.0 22.5 23.0 24.7 26.4 26.7 27.7 27.8 27.8 28.2 28.4 28.7 29. 8.3 12.9 14.8 21.5 24.3 24.8 26.6 28.3 28.5 29.5 29.7 29.7 29.9 30.3 30.5 30.7 8.6 13.3 15.1 21.8 24.7 25.2 27.3 29.0 29.3 30.3 30.4 30.4 30.6 31.0 31.3 1.6 2 6000 2 5000 9.3 14.0 15.9 22.6 26.1 26.8 29.0 30.9 31.1 32.1 32.3 32.3 32.5 32.9 33.1 33.5 2 450C 400C 9.9 14.9 16.7 23.9 27.3 28.0 30.5 32.6 32.9 33.9 34.0 34.0 34.4 34.7 35.0 35.4 10.7 16.3 19.2 25.6 28.9 29.7 32.1 34.2 34.5 35.5 35.6 35.6 36.0 36.4 36.6 37.0 2 3500 2 3000 11. 1 16.6 18.7 26.6 37.3 31.0 33.7 36.1 36.5 37.5 37.6 37.6 37.6 38.7 38.3 38.6 39.0 11.8 17.7 20.4 28.4 32.4 33.1 37.7 39.7 47.2 41.2 41.3 41.3 41.7 42.1 42.3 42.7 ≥ 2500 ≥ 2000 12-8 19-5 21-8 30-6 35-1 35-9 39-8 42-6 43-1 44-0 44-2 44-2 44-5 44-9 45-2 45-5 13.9 21.2 24.1 34.9 40.1 40.9 46.7 50.0 50.5 51.5 51.6 51.6 52.0 52.4 52.5 53.5 53.6 53.6 53.6 54.0 54.3 54.6 55.0 2 1800 ≥ 1500 15-5 23-9 27-4 40-9 46-8 47-6 55-3 59-2 59-7 61-4 61-5 61-5 61-9 62-4 62-7 53-3 16-5 25-7 29-2 44-0 51-2 52-2 60-4 65-1 65-9 68-0 68-1 68-1 68-5 69-7 69-4 69-7 17-0 26-6 31-0 47-5 55-8 57-3 66-0 71-7 72-5 75-3 75-4 75-4 75-8 76-7 77-2 77-4 17-1 27-0 31-6 48-6 57-1 58-6 67-7 74-3 75-2 78-0 78-2 78-2 78-5 79-4 79-8 60-1 17-1 27-2 31-3 49-3 57-9 59-4 69-1 76-1 77-2 80-4 80-8 80-8 81-1 82-0 82-4 62-3 17-2 27-3 32-3 50-5 59-4 60-9 71-6 79-8 81-1 84-5 85-2 85-2 85-6 86-5 87-1 87-5 2 ±200 ≥ ±000 900 ≥ 700 ≥ 600 17.2 27.3 32.8 51.5 60.5 62.3 73.2 81.9 83.3 87.6 88.3 88.5 89.1 90.0 90.6 90.9 17.2 27.3 32.8 51.6 60.8 62.5 74.3 83.5 84.9 90.0 90.9 91.3 91.9 93.1 93.7 94.0 17.2 27.3 32.8 51.6 60.8 62.5 74.3 83.5 84.9 90.0 90.9 91.3 91.9 93.1 93.7 94.5 17.2 27.3 32.8 51.7 67.9 62.7 74.4 93.7 85.1 90.7 91.7 92.2 92.8 94.2 94.8 95.2 17.2 27.3 32.3 51.7 67.9 62.7 74.6 84.2 85.9 91.8 93.1 93.7 94.9 96.3 97.0 97.9 ± 300 ± 200 17.2 27.3 32.8 51.7 6.9 62.7 74.6 84.2 86.1 92.2 94.7 94.7 95.9 97.3 98.3 99.3 17.2 27.3 32.8 51.7 60.9 62.7 74.6 84.2 86.1 92.2 94.2 94.8 96.3 97.5 98.5 99.5 17-2 27-3 32-8 51-7 69-9 62-7 74-6 84-2 86-1 92-2 94-2 94-8 96-0 97-5 98-51-0-2

(FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS 831

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

SECHAL CLIMATOLOGY BRANCH OSFFETAC AIM MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							V15	BILITY STA	ATUTE MILE	5						
FEET	≥ !0	≥ 6	≥ 5	≥4	≥ 3	≥ 2 .	≥ 2	≥ .	≥1.	<u>≥</u> 1	ž •	2 ,	2	≥ 5 `0	· ·	≥:
NO CEUNG ± 20000	5.J 5.6	7.8 8.7	9.8		15.8 17.6			17.6	-		19.	19.0 21.5	17.4	27.1		21.7
≥ 18090 ≥ 6000	6.2	9.3	11.4	16.5 16.5	18.7 18.7	18.7				22.5	22.6.	22.6	23.0	23.7	23.9	24.6
≥ 14000 ± 12000	6.3 <u>5.5</u>	9.4				18.9	1	21.3			22.8.	22.7 22.8.	23.1	23.8	24.1	24.7 24.8.
≥ 10000 ≥ 9000 = 10000	6.5 <u>7.2</u>	17.4	11.8	17.6	23.1	20.1.	21.8		23.1.	24.4	23.8 24.6	23.8 24.5.	24.2 24.9.	24.9 25.7		25.8 26.6
9,000 2,1900 2,000	7.6 <u>7.6</u>	11.4	13.6		22.6	22.6	24.8	25.9	26.1		25.9 27.5.	25.9 27.5.	26.3 27.9.	27.0 28.7	28.9.	
5000 5000	7.6	12.3	13.6	21.5		24.2	27.3	28.4	28.5	29.9.	30.0.	27.9 30.0.	28.3 30.4	29.7 31.1	29.3 -31.4.	32.3.
# 4000 # 1500	8 • 6 10 • 2 10 • 5	12.3 15.1 15.6	17.5	25.3	25.2 28.5 29.5	28.5	31.9	33.4	33.6	35.3	35.1.	31.4 35.1. 36.4	32.1 35.9. 37.1	33.1 - <del>36.8</del> . 38.1	37.1.	34.0 37.7 39.0
2 FXM 2 2500	11.5 13.6	17.d		28.3		31.9	35.7	37.6	37.8	39.2	39.3.	39.3.	45.1.	41.1.	41.3.	41.9.
800	14.9	21.7	23.8	35.5	42.6	41.2	46.3	48.3	48.6		50.4.	50.4, 52.0	51.1. 52.7	52.2.	52.5.	53.1.
= 150K = 20K	15.9	24.3	26.1		46.2 50.7	46.9 51.5	54.3	56.9	57.4	59.9.	62.3	65.3. 67.5	61.2	62.2.	62.4.	63.3.
2 1000 2 900 3 800	17.2 17.2	24.9	28.9			<del>-</del>				72.3 73.8		72.7 74.3	73.4; 75.1		74.8. 75.4	
2 700 2 600	17.5	25.2 25.4	29.5 29.5	,	56.6	57.7	69.6	- 1	75.7	83.1		8 7.8	81.5	82.8	83.7	83.6
500	17.6	25.4		49.5	58.3		72.7		79.9	85.9		87.6	88.3	89.6	89.8	90.4
2 300 2 200	17.6 17.6	25.4 25.4		50.0		60.4 60.4	73.6		81.1	87.3	90.1	91.1	91.9		93.9	95.2
— — — — — — — — — — — — — — — — — — —				5C.1		60.5		80.3		89.5			94.3	96.3		99.3
L		3777	·	- / 4	- X - X - A1	<del></del>					A.				.4.4 14	MM.

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLURAL CLIMATOLOGY BRANCH USAFETAC AIS MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEIUNG	_						V151	BILITY STA	ATUTE MILE	:5						
.66.	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥?	2	≥1.	≥ '	2.	2,	ż	25 6	· ·	≥.
NO CERINO ± 20000	4 • 5 5 • 5	7 • 2 8 • 3		12.9	14.9		16.7				19.4	18.5	19.7	18.9	19.0	19.4
≥ 18000 ≥ 15000	5 • 8 5 • 8	8 . 8			18.0	18.5	20.3			22.0	22.1	22.2	22.3	22.7	22.8 22.8	23.1
≥ 14000 ≥ 7000	6 · 1	8 • 9 9 • 1		15.8 16.0	18.1	18.6	20.4		21.4	22.1	22.2	22.3	22.5	22.8	22.9	23.2
≥ 10000 ≥ 9000	5.2 5.3	9 • 2 9 • 5	17.5		18.6			22.1	22.5	22.9	23.0	23.1	23.3	23.6	23.7 24.0.	24.3
≥ 8000 ≥ 7000	7.1	10.0	12.7	17.6 18.5	20.1	20.7			23.9 25.2		24.7 26.0	24.8	25.7	25.4	25.5 26.7.	25.8 27.1
≥ 6000 ≥ 5000	7.9		13.1		21.7	22.2	26.5	27.7.	25.8	28.6	26.6 28.7.	26.7 28.8.	26.9 29.7.	27.3 29.4.	27.4 29.4.	27.7 29.8.
2 4500 2 3500	9.4	12.4 13.8 14.4	15.3	23.2	26.3	25•1 26•9,	29.9	31.5	29.5 31.8	32.6.	30.4. 32.7.	30.6 32.9,	37.9 33.2	31.2 33.6	31.3 33.7.	31.7 34.2
2500	11.3	16.1 18.3	18.3	24 • 1 26 • 9 30 • 1	37.4	31.1		36.6		37.9	34.2 39.5	34.4	34.7 38.6.	35.1 38.9	35.2 39.0.	35.5 39.4.
2 1800		27.4	22.9	34.0	38.7	39.5	44.1	46.5	47.1	48.3	42.3 48.5 50.4	42.5 48.7 50.7	42.8 49.7 51.0	43.2	43.3	49.9
2 :500	16.4	23.6	26.5	39.4	45.1	46.0	52 · 2	55.5	56.1	57.8	58.D	58.3.	58.8.	51.4 <u>59.2</u> 67.1	51.5 <u>59.3</u> 67.2	51.9 59.5
2 1000		25.2		46.1	53.8	55.0	63.1	67.6		71.5				73.4		67.5 73.8 76.1
2 800 : 2 700	18.1	26.9	31.2	48.6	57.1 58.1	58.4	67.9	72.9	73.9	77.3	77.8. 81.1	78.3. 81.8	7°.0 82.5	79.6. 83.0	79.7.	80.3. 53.5
2 600	18.1	27.0	31.4	50.0 50.3	59.5		71.5	77.7	79.0	83.6	84.3	85.0	85.8	86.4	90.0	86.9
≥ 400 ± 300 ± 200	18.1	27.0	31.5	50.5		61.8	73.5	81.2	83.1	89.9		90.5 92.1		92.7	92.9	93.3
300	18.1	27.0	31.5	50.5	60.0	61.8	73.6	81.3	83.3	90.4	92.0	93.3	95.1	97.0	98.1	98.1. 99.7
<u> </u>	10.1	21.0	31.5	<b>⊃</b> U • 5₁	0U.0	61.8	73.6	81.3	83.3	90.4	92.0	93.3	95.1.	97.1	98.21	20.0

USAF ETAC 1,04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SET AL CLIMATOLOGY BRANCH COFFETAC AT AEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEIUNG							v151	BILLITY STA	TOTE MILE	5						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥: .	≥' .	≥1	2 .	٤٠	2	≥5 5		2.
NO CEIUNIG ≥ 20000	9.3	13.7	16.2							28.8		29.7	29.7	29.7	29.9	30.1
≥ 18000 2 16000	15.4	15.5 15.5	18.7	24.3		25.9	28.1	29.3	29.6	31.8	31.8					
14000 12000	10.4				-					32.0		32.9		32.9	33.0	33.3 33.7.
≥ 19000 2 9000	10.7	15.7	18.5	25.8	27.2	27.7.	30.0	31.2	31.4	33.7 33.7	33.7.		34.6.	34.6.		35.2
7 8000 2 7000	12.1	17.7	20.5	28.8	30.3	30.8	33.2	34.3	34.6	35 • 7 36 • 9.	36.9.	37.8.	37.8.	37.8.	37.9.	38.2.
≥ 6000 ≥ 5000 → 4500	13.5	19.2	22.1	37.4	32.5	33.2	35.5	37.0	37.3	37 • 4 39 • 8.	39.8.	40.7.	40.7.	4C-7.	42.8.	41.1.
7 4000 2 3500	15.7	21.5	24.6	33.9	36.3	37.3	39.4	41.3	41.7	44.5	44.5	45.4	45.4	45.4.	45.6.	46.0
2 00	17.7	24.6	28.1		43.5	44.1.	46.8	49.3	49.7	47.6 52.7 56.9	52.7	53.6	53.6.	53.6.	53.E.	54.2.
* 200 * 80k	19.7 20.2	28.0	32.2	47.7	51.4	51.8	55.9.	58.9	59.3	63.1,	63.1.	64.1.	64.1.	64.1.	54.2,	64.0
7 500 2 200	_ <u>-21.1</u> 	30.3	34.5	51.6	55.6	56.3	61.6	65.4	65.8	69.6. 75.2	69.6	7.7.5	70.5	70.5.	72.7.	71.1.
	21.7 21.7	31.0	35.8							82.6						82.3. 84.7
2 814 2 14 2 14 2 16	21.7	31.0 31.0	35.8							86.3		85.2 87.6			85.3. 87.7	88.8
500	21.7	31.2			65.8	66.7	76.8	82.0	83.1	87.1. 88.2	88.4	89.6	89.6	90.2	90.4	91.4
- 300 - 200	21.7	31.2	35.0	59.0	65.8	66.8	77.5	83.2	84.3		89.8	91.1	91.9	92.9	93.0	94.1
e de la companya de l	21.7 21.7 21.7	31.2	35.9	59.7	65.5		77.9			91.0 91.0	91.5	-	93.8	95.2		99.5
	- EARL		- 4 2 9 7	_2.Z.g.: L	A 4 5 5	00.0	-1117	7300.	9344	7.8.54	Y.L.D.	7647	7.200.	73.14.	7 P 4 7 4	السفاطات

USAF ETAC - 0-14-5 (OL. A) HIEVIOUS EDITIONS OF THIS FORM ARE ORIGINATE

GLCRAL CLIMATOLOGY BRANCH USAFETAC AIF MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							v ·\$1	Bic™ STA	NOTE MILE	5						
eff.	≥ 10	≥ 6	≥ 5	≥ 4	2 1	21	2.7	≥:	21.	٠ خ	2.4	2 .	2 .	≥5 6		·
NO FERNA 2 20000	-	13.3	15.7	20.3			23.8						28.8	28.9	29.1 31.4	29.2 31.6
≥ 1800C ≥ 6000		14.5	17.0	22.3	23.9	24.0 24.0	26.4 26.4		28.3 28.3	30.8 30.8		31.6 31.6	31.7 31.7	31.8 31.8	32.0 32.0	72.1 32.1
군 1400C 군 10FK	19.7	14.7	17.2	22.5	24.0 24.4		26.6	28.0				31.7 32.1.	31.8	32.1 32.4	32.1 .32.5.	32.2 32.6
≥ 1900c ≥ 990c	11.4 11.4		13.5		25.8	25.9		29.9	30.3	32.8	32.9		33.3 33.7	33.4 33.8	33.6 . <u>33.</u> 9.	33.7 34.1
2 8000 2 7000	12.7		27.2	27.1	27.5 28.7	28.9	31.6	33.2	33.6	36.3.	36.5.	37.1.		35 • 8 37 • 4		36 • 1 37 • 5.
≥ 6000 ≥ 5000	14.1	19.3	21.9	28.9	29.2 30.6 32.5	31.2	34.1	35.8	36.2	39.0	39.1.	39.8.	39.9	43.3	39.2 .40.2. 42.4	38•3 . <u>40•3</u> . 42•5
: 4000	15.7	21.1	23.8	32.2	34.6 36.9	35.1	38.3	39.9	47.6	43.6	43.7	44.4	44.5	44.6	44.8	44.9
2100	17.4	23.1	26.3	37.0	39.9	40.4	43.6	45.6	46.2	49.4	49.5	59.2	50.3	50.5		. 50a.7.
- 100c		25.4			45.3					56.8		57.6. 58.7		58.0 59.0	58.1. 59.2	58.3 59.3
	21.4	29.5	33.7		52.D	56.3	62.9	66.3	67.4	71.5	71.6		72.4	66.7 72.8	72.9	67.1 73.1
900 900	21.4		34.7		59.7	60.4	69.2	73.2	74.4			77.9.	78.1 87.4	78.5 8C.8	. 78.6. 81.0	78.7 51.1
≥ 700 ≥ 600	21.4		34.7	54.7		)	73.4	77.4	75.4 78.6 79.4	83.8	84.C	84.8	84.9	82.C 85.3	85.5	85.7
± 500 ± 400		30.3		55.2	62.6 63.0		74.1 75.0 75.7		81.0	86.7 87.7	86.9	88.2	88.4	89.C	89.2 93.5	89.7
2 300 2 200	21.4	30.3	35.1	55.2	63.0	64.1	75.8	80.3	82.0	88.1	88.4		90.0	90.9	91.3	
- 'St	21.4	33.3	35.1	55.2		64.1	76.2.	80.8	82.7	89.3	90.1		92.5	94.2	95.2 95.5	98.7

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLIPAL CLIMATOLOGY BRANCH USAFETAC AL WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CELNO							VIS	BIGITY STA	NTUTE MILE	5						
· FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2:	≥ ?	≥1 ,	≥1.	≥1	≥ .	≥ ,	2	≥ 5 16	2.	≥.
NO CEUNG 3 20000	7.4	1:0	11.9	7 2 1	l i	17.7		21.5				23•1 26•D	23.2	23.6	23.6	23.7
≥ 18000 ≥ 6000	7 • 6 7 • 6	11.1	13.6	17.7	19.9 20.0	21.3		25.2	25.3	26.2	26.5 26.6	27.3	27.1	27.5 27.7.	27.5 27.7.	27.5
≥ 14000 ≥ 2000	7 • 6 7 • 6	11.2	13.7	17.8		20.4	23.5	25.3 25.4		26 • 5 26 • 6	26.7	27.4	27.5	27.8 28.1	27.8	27.9 28.2.
= 5000 = 10000,	7.9 7.9	11.6	14.1	18.3	27.7			26.2 26.6		27.4 28.1	27.7 28.3.	28.2 28.9.	26.3	29.1 29.8.	29.1	29.2 29.9.
2 9000 2 7000	8.7 9.1	13.Z 13.7	15.7 16.2	20.7 21.2	23.2 23.7	23.6 24.1	26.9 27.4	29.0 29.5			31.1 31.6,	31.6 32.1.	31.8 32.3	32.5 33.1	32.5 33.1.	32.7 33.2.
2 6000 2 5000	9•2 <u>10•1</u>	14.7	16.5		24 • Z 25 • 7		27.9 29.6			32.J 33.7	32.3	32.8 34.5	32.9	33.7 35.4.	33.7 35.4.	33.9 35.6.
2 4500 2 4000	10.4	15.7 15.3	18.8	26.3	30.2	30.6	34.9	35.2. 37.4.	37.7	39.7	37.7 39.9.	4 C . 4.	38.3 41.6	39.3 41.5	39.3 41.5.	39.4
≥ 2500 2 8000 ≥ 2500	11.4	16.9 17.8	20.3	29.1	34.0	34.7	39.3	42.4	43.0	45.1	45.6.	43.7 -46.1.	43.9 46.2	44.8		44.9 47.7.
2000	13.2	19.0	24.1	25.7	37.8 41.4	42.3	47.8		51.9		49.8 54.9.	57.3 55.5.	50.5 .55.6.	56.9.		51.9 57.3
2 1500 2 1200	16.5 16.7	21.6 24.1 24.6	27.4	41.2	47.2	48.2	55.3	53.1 59.2 63.5	59.7	62.3.	56.7 62.8 67.3	57.2 63.4. 68.7	63.5. 68.2	58•6 .65•0. 71•0	58.6 <u>65.C.</u> 77.7	65.1
2 1000 900	17.0 17.1	24.9	1	44.7	52.0	53.2	62.2		67.6	71.8	71.8	72.5. 74.4	72.9; 75.0	74.6.	_ ^ .	74-7
≥ 800 ≥ 700	17.5 17.5	24.9	29.2	46.1	54.7	56.1 56.7	65.9		71.5	74.7	76.2 77.5	76.8. 78.1	77.3	79.1.	79.1.	79.2. ec.5
2 600	17.d	24.9	29.2	46.6	55.3	56.9	67.7	- 1	74.2	77.6.	79.4 82.3	80.2	82.9.	82.7. 85.8	82.7.	83 86.3
.1 40C - 30C	17.0 17.0	24.9	29.2	47.0	56.3	58.2 58.2	70.6 71.1	78.G	79.1. 80.1	93.3	85.1	86.2	87.G.	88.9. 91.2	38.9.	89.5. 91.8
= -700 	17.0 17.0	24.9				58.5 58.5	71.7		80.6 89.6	85.5 85.5	87.7. 87.7	88.9. 89.1	97.4	94.9	95.3. 96.2	96.3 99.5
	17.1	24.9	29.2	47.3	56.5	58.5	71.7	79.4	83.6	85.5.	87.7.	89.1.	90.5	94.9.	36.31	20-3

LISAS STAC - 0-34-5 (OL A) returned spirious on that some and operate

SLIPAL CLIMATOLOGY BRANCH USAFETAC ATE NEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

: 6877	GRAFENHOHR AAF DL 73-81	
	PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	2222-1200

CEILNG							¥ (\$1	B . ** 5**	AT, TE MILE	5						
	≥10	≥ 6	≥ 5	2.4	۽ ج	≥2	≥ 2	ž.	2' •	21	2 .	٠.	2	≥5 0	2.	2.
NO - ERNO 23000	5.3	10.7	12.3	17.8	20.4	22.9	22.7	24.4	24.5	25.4	25.4	25.7	25.7	26.	26.5	20.0
2 18000 2 6000	-	12.3	14.		23.3	23.8	26.5	78.6	29.0	29.8	29.8	37.0	30.0	30.3	30.3	30.3
≥ 14000 ≥ 12000	7.3	12.5	14.4	20.9	24.0	24.5	27.1	29.2	29.6	30.4	30.4	37.7	37.7	31.3	31.7	31.
2 ' PY( 2 ' 9/4%				21.7	24.8	25.3	28.1	30.6	31.0	32.3	32.4	32.9	32.9	33.2	33.2	
3 9000 3 13K	ŝ.2	14.1	16.2	23.7	26.7	27.3	37.6	33.3	33.7	35.5	35.2	35.7	35.7	36.0	36.2	36.3
≥ 6000 5000	9 • 1:	15.7	17.8	25.6	28.7	29.2	32.5 33.7	35.6	36.0	37.4	37.5	39.1	35.1	38.3	38.3	30.3
1 450s 1 400g	10.4 12.1	17.3	19.8 21.5	29.0 31.0	32.4	33.1 35.8	36.6 39.5	39.7 42.7	40.2	41.6	41.8	42.3	42.3	42.6 45.6.	42.6	42.6 45.6
	12.4 12.6	1 3 . 9 2 3 . 2	22.9	32.4	36.9	37.5 38.2	41.2	44.4.	46.8	46.8	46.9	47.4	47.4	47.7 50.J.	47.7	47.7
200 200	13.7	23.6	24.1 27.9	35.2	47.1 44.0	43.7	45.3	49.3 53.9	49.9 54.8	52.0 57.0	52.5 57.7	53.1	53.1	53.5 58.6	53.5	
.: 80x 5-±	16.5	76.2	30.0	43.3	49.4	50.1	50.9 56.1	61.1	62.1	64.4.	65.1	65.7.	65.7.	66.4.		66.4
2 20K 2 306	17.3	29.2	32.5	49.1	55.8	57.7	61.0 65.3	71.1	72.2	75.2	75.9.	76.7.	76.8.	77.5.		
2 800 2 800	17.4	28.3	32.7	49.8	58.4	59.8	56.3 68.1	74 . 7	75 . 6	79.1	79.8	81.2.	81.6	82.5.	79.6 32.5.	79.6 82.5.
: 'A : 000 	17.4	28.3	32.7	50.3	59.2	63.7	68.5	77.2	78 . 5	82.1	82.9	84.2	34.6	95.8	93. A 85.8.	
550C 2 40F	17.4	28.3	32.7	50.6	59.8	61.5	77.8	79.7	81.2	86.0	87.1	88.9	89.5	90.9.	97.9	91.7
2 300 2 200 	17.4	28.3	32.7	50.6	59.8	61.5	71.1	79.8	81.4	87.7	89.6	91.8	93.1	96.4	96.6	98.7
							71.1 71.1									

USAF ETAC ...... 0-14-5 (OL.A) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

GLUBAL CLIMATOLOGY BRANCH USIFETAC / The WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1230-1400

CEILING	-						VI5	IBILITY STA	LTUTE MIL	ES	_					
*EE.	≥10	≥6	≥ 5	≥ 4	≥3	≥2.	≥ 2	≥1 /	≥1	≥1	≥ .	₹.	2	≥5 6	≥ .	≥ ∪
NO CEILING ≥ 20000	1 . 9	17.8	19.6		26.2 29.3							29.2	28.2	28.2	23.2	26.2 31.5
≥ 18000 ≥ 5000	12.5	20.2	22.9		3C • 7		32.7			33.3 33.7		33.3	33.3	33.3 33.7.	33.7	33.3 33.7
≥ '4000 ≥ 2000	13.7	27.7			31.6 31.9			33.9	34.5		34.3 34.6	34.3	34.3 34.6	34.3 34.6.	34.3	34.3 34.6
≥ 10000	13.3	22.0 22.3	24.1	30.8	33.5	33.5		36.5	36.7	36.6 36.9		36.6 36.9	36.6 36.9,	36.6 36.9	36.6 36.9.	36.9.
2 8000 2 7000 2 6000	14.6	24 • 1 25 • 2	27.2	34.4	37.4	37.4	40.9		41.6	41.7	41.7	41.7.		41.7	42.3 <del>41.7</del> .	41.7.
5000	16.5	26.6		36.0	39.1	39.1	42.7	41.3	43.7	43.A	43.9.	43.8	43.8	43.8.	43.8.	43.3.
2 4000 3500	18.1	28.7		47.6	40.7 44.0 47.1		47.8	45 • 1 48 • 6 51 • 7	48.8	49.2	49.2	49.2.	49.2	45.5; 49.2. 52.4;	49.2.	
2 + 100 2500	20.5	32.5	35.3	45.1	49.1 51.2	49.1	53.1	54.7	55.1	55.5	55.5.	55.5	55.5.	55.5.	55.5.	55.5
80X	24.7	39.1 45.3	42.4	53.5	58.D	58.0	62.3	64.3	64.7		65.5.	65.5	45.5	65.5.	45.5.	65.5
2 1200	27.1		47.4	60.6	66.4 70.6	56.4	71.4	74.1	74.5	75.2	75.3	75.3	75.3.	75.3.	75.3.	75.3.
2 1000 2 900	28.5	45.7	50.8	66.0	73.5		79.5		83.3	84.1		84.3	84.3	84.3.	84.3.	
2 800 2 700	28.5	45.8 45.8			76.4	76.5		87.9		90.6	90.7	90.9	91.1	91.5	88.7. 91.5	
≥ 600 ± 500 ≥ 400	28.5	45.8	51.0	67.6		77.2	65.3	91.2	92.3	94.4	94.6	95.0	95.1	93.2. 95.5	95.5	95.5
2 300 2 700	28.5	45.8	51.		77.0	77.3	85.6	91.5	93.3	95.8	96.5	96.9	97.2		98.3	98.3
100	28.5	45.8	51.0	67.6	77.0	1	35.6		93.4	96.3	97.	97.6	98.2	99.7	99.7. 99.91	0.00
	28.5	45.8	51.	67.5	77.0	1/03	85.6	91.9	95.4	96.3	97.C.	97.6	98.2	28.7.	99.91	Char.

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

: (37) GRAFENWOHR AAF DL

73-81

FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u>1520-1703</u>

CEIUNG							v15	IBILITY STA	TOTE MILE	5						
FLET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥:	≥1.	≥1	≥ .	≥ ',	≥ .	≥5 '0	ž .	≥0
NO CEUNG 2 20000					30.6 36.0											
≥ 18000 ≥ 16000		_	29.4 29.8		37.1 37.5			/				38.2 38.6	39.2 38.6	38.2 38.6	38.2 38.6.	
≥ 14006 ≥ 12000	16.9 17.6	_	29.9 33.7		37.7 38.6	1		38.7 39.6	-		-		39.6	38 • 7 39 • 6.		
≥ 10000	19.2	30.6	32.4	39.5	39.8 45.7	41.3	42.4	42.4	42.4	42.5	42.5	42.7	41.5 42.7	41.5 42.7.	41.5 42.7.	
≥ 8000 ≥ 7000	20.2	33.7	35 · 8	43.2		45.7	48.3	48.6	48.6	48.8	48.8	49.0		49.5	49.2.	49.
≥ 6000 ≥ 5000		34.8	37.7	44.4		46.9	49.5	49.7	49.7	50.0		50.1.	50.1.	49.0° 50.1,	50.1,	53.1.
≥ 4500 ≥ 4000	24.	39.0	41.7	50.0	48.4 52.0	52.9	55.8	56.3	56.3	56.7	56.7	56.8	56.8	56.E.	56.8.	56.8
≥ 3500 ≥ 3000	28.1	45.7	48.6	57.1	55.1 59.6	60.5	64.0		65.1	65.7	65.7	65.9	65.9	65.9.	65.9.	65.9.
≥ 2500 ≥ 2000	30 . 8	50.8		64.4	67.2	68.5	72.3		73.9	74.7	74.9	75.1	75.1.	75.1.	75.1.	75.1.
2 800 2 500	32.7		56.8	68.5	68.1 71.9	73.4	77.7		79.8	80.6	80.8	81.1	31.1.	81.1.	â1.1;	81.1
2 200 2 1000	32.8	53.7		72.6	74.5	78.3	84.3	87.0	87.4	88.5	88.8	89.2	89.2	89.2.	89.2.	89.2
2 800	32.8	53.7	59.3	72.6	77.6	79.1	85.7		89.4	90.7	91.1	91.5	91.5	91.6.	91.6	91.6
2 700 2 600	. 32 . 3	53.7		73.2	78.9	8J.7	88.2		92.1	93.6	94.1	94.6	94.8	95.1	95.3	95.3
2 500 2 400	32 • 8 32 • 8	53.7	59.3 59.3	73.2	78.9 78.9 78.9	80.7	88.6		93.2	95.3	95.8	96.7	96.9	97.2	97.4	97.4
2 30c 2 30c		53.7		73.2	78.9 78.9	80.7	88.6	92.4	93.3	95.7	96.6	97.6	97.9	99.2.	99.5	99.6
- ^	32.8		59.3		78.9											

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC A14 AEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

GRAFENMOHR AAF DE

73-81 YANS

. . . . . . . . .

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1830-5900

CEIDING	•						VIS	181L1 4 ST	ATUTE MILE	.5				-		•
1 FEET	≥10	≥6	≥ 5	≥4	≥ 3	≥2.	≥ 2	≥1 -	≥1.	≥1	٤.	٤.	÷	≥ 5 16	٠.	20
NO CEILING ± 70000	13.1		25.3	30.7			33.2 37.8	33.6	33.6	34.1	34.3	34.5	34.5	34.5	34.5	34.5
≥ 18000 ≥ 16000	15.2 15.2	25.6 25.6				37.9			39.2	39.8		40.2	40.2 40.2	40.2	40.2 40.2	
≥ 14000 ≥ 12000	15.2	1		36.4 36.7		38.2	39.0	1	39.5			40.4 40.8	40.4 40.8	40.4 40.8	40.4	40.4
≥ 9000 ≥ 9000	16.1 16.1	26.8 26.9	30.1 30.3	37.4 38.1	, :	39.4 40.3		40.7		41.2	41.3	41.6	41.6 42.8	41.6	41.6	41.6
≥ 8000 ≥ 7000	16.9	28.9		40.7	42.4	42.9		45.5	44.2	44.9	45.1: 46.5	45.4	46.7	45.5 46.9	45.5 46.9.	45.5 46.9
≥ 6000 ≥ 5000	17.3 18.2	33.6	34.3	42.4	44.4		46.7	47.6	47.6	46.5	48.6	48.8	48.8	47.1 49.5	49.C.	49.3
≥ 4500 ≥ 4000 ≥ 3500	19.7 20.7	34.3	37.9	48.2	50.7	49.1	53.7	54.9	52.2	55.5	55.8	56.3	53.4	56.2		56.2.
2 3000	22.	36.6	41.6	53.7	56.4	54.6	62.1	62.1	62-1	59.4 63.1	59.7 63.4.	60.0.	63.8	63.9.	63.9.	63.9.
2 2000 800	23.6 24.5	41.7	46.5	60.2	63.8	65.5	64.3 <b>6.86</b> 69.6	70.9	70.9.	67.2 71.9 73.1	67.5 72.2.	67.7 . <del>72.4,</del>	67.8 72.7	68. 72.8.	68•º -72•8.	72.8.
2 1500	25.1 25.3	43.0	48.0	63.3	67.5	64.6	. 13.1	76.4	71 • 6 76 • 6 80 • 3	78.D.	78.2, 83.1	73.6 <u>78.5,</u> 83.3	73.9 <u>78.7</u>	74.2 <u>78.9</u> 83.9	74.0 78.9.	78.9
2 1000 2 900	25 · 9	44.5	5.2.0	68.0	72.6	73.9	80.4	84.D	44.4	87.4	87.3	87.5.	87.8	88.2	88.2.	88.2.
2 800	25.9 26.	44.5	50.0	65.2	73.2	74.7	82.2	. 25.8.	86.2	88.6. 90.9	89al. 91.5	89.4	89.6	90.0.	90.D. 92.4	90.0
2 600	26.0	44.6	50.1	68.5	74.7	76.2		49.0	90.7		92.7.	92.9		94.C.	94.C.	24 C
2 400	26.0		50.1	68.5	75.1	77.0	95.9 95.9	91.3 91.3	91.7.	94.5	95.T		96.6	97.1	97.1.	97.1. 98.4
- 20C	26 • 3 26 • 3	44.6		68.5	75.1 75.1	77.0	35.8 95.4	91.3 91.3	91.9 91.9	94.9	95.4	96.1 96.1	97.2	98.C.	98.4. 98.6	99.5
	26.	44.6	5n.1	68.5	75.1	77.2	85.8	91.3	91.9.	94.9.	95.4	96.1.	97.2	98.2.	98.61	20.0

USAF ETAC ..... 0-14-5 (QL.A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL.BAL CLIMATOLOGY BRANCH USAFETAC ATM MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

FFE

1 (977 GRAFENWOHR AAF DL

73-31

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21,22-2300

CEILING							V15	BILITY STA	ATUTE MILE	5						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥3 .	≥7.	≥ 2	≥:	≥1.4	≥1	≥ .	≥ .	2	≥5 6	>.	≥:
NO CEILING 2 20000	11.7	17.1		77.7 30.0		29.D		31.9	31.9		32.6		33.2 35.6	33.5		33.8
≥ 18000 ≥ 15006	12.5 12.5	18.0	_	30.1 30.1	31.5 31.5	31.5 31.5	33.8			35.0 35.0		35.9 35.9	35.9	36.1 36.1	36.3 36.3	36.4 36.4
≥ 14000 ≥ 12000	12.5 12.6	18.0	23.7 23.1	30 • 1 30 • 6	31.5 32.1		33.8		1	35.0 35.5			35.9	36 • 1 36 • 7,	36.3 36.8	36.4
≥ 9000	13.0 13.0			31.3 31.5						36.3 36.7			37.2 37.6.	37.5 37.8.	37.6 38.0.	37.7 38.1
≥ 8000 ≥ 7000	14.3	20.8	25.1 25.9	34.3	36.1	36.1	38.8	39.6	39.6	38.6	47.2.	47.9.	_ ,	41.1.	39.9 41.3.	
≥ 6000 ≥ 5000	16.	22.7		36.4		38.6	41.3	42.2	42.2		43.0	43.8.	43.8.	44.	42.7	
2 4500 2 4000	17.3	26.8		42.4	45.1	45.1	47.8	49.1	49.1	46.6	49.9.	50.7.	53.7.		48.1 -51.1.	48.4 
2 3500 2 3000 2 2500	19.2 20.0		35.2	48.8	51.6	51.6	55.2	57.2	57.2	53.1 58.0 61.0	58.2.	59.3.	54.1 59.0,	59.3. 62.3	54.5 - <u>59.4</u> . 62.4	54.5 5 <u>9.7</u> .
2000	21.6	32.9	38.6	54.8	58.6	58.7	63.5		66.0	67.1	67.4 69.1	68.2, 69.9	68.2	68.5.	68.6.	<u>18.9.</u>
2 1500	22.7	35.0	41.3	58.6	/	63.9	69.0	72.1	72.3		74.1	74.9. 80.8	74.9. 82.8	75.2	75.3.	75 · 6.
2 1000	23.7	36.8	43.9	64.1	70.6	70.7	77.5	81.2	81.7	83.6	84.0	84.8	84.8	85.2	35.T.	85.5
≥ 800 ≥ 700	23.9	36.9		64.4	71.7 72.5	72.9	79.5		83.7	85.7	86.1.	86.9	86.9	87.1. 89.0	37.4. 69.2	27.8. 69.6
2 600	23.8	36.9	44.2		72.8			86.1		89.9					93.7. 92.0	
≥ 400 ≥ 300		36.9	44.2		72.8					91.1						
X	23.5	36.9	44.2	64.9	72.9	73.5	83.0	88.7	89.5	92.9	93.4	94.6	95.5	96.2	96.6	98.6
	23.8	36.9	44.2	64.9	72.9	73,5	83.0	88.7	89.5	92.9	93.4	94.6	95.5.	96.2	96.61	120.0

USAF ETAC 104 0-14-5 (OL A) MENOUS EDITIONS OF THIS FORM ARE ORSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 56870	GRAFENHOHR AAF DL	73-61 YANS	- FFE
		PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	

CEIUNG							vis	IBILITY ST	ATUTE MIL	ES						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥1:	≥1.	≥1	2 .	≥ •	2	≥5:6	? •	≥ċ
NO CEILING ≥ 20000	10.3	15.1 17.7	13.4	23.5	25.1 27.9			27.8 31.0			29.9 32.2	29.3	29.4	29.5 32.8	29.5 32.9.	
≥ 1800C ≥ 1600C	11.5	18.1	20.7 20.9	26 • 9 27 • 1	28.7 28.9			32.D	32.2 32.3	33.1	33.2 33.4.	33.6	33.7	33.8 34.5	33.8 34.0.	33.9 34.1.
≥ 14000 ≥ 12000	11.7	18.3	21.0	27.2	29.1	29.3 29.7	31.3 31.7	32.3 32.7			33.6 34.5	34.5	34.7	34.2	34.2 34.6.	34.3 34.7
≥ 10000 ≥ 9000	12.3	19.2 19.4	22.1	28.8	30.8	31.1	32 • 8 33 • 3	34.4		35.7	35.3 35.8	35.7. 36.3.	35.8 36.3	35.9 . <del>36.5</del> ,	36.3 36.6	36 • 1 - 36 • 6
≥ 8000 ≥ 7000	13.3	21.5	23.6	31.9	32.8	34.4	37.2	-	38.6	39.8	39.9		39.7	39.2 40.6	39 • 2 43 • 7.	40.7
2 6000 2 5000 3 4500	13.7	21.8 23.1	26.	32.1	35.9	36.3	39.2		40.A	42.0	42.1.	42.6		41.0 , 42.8,	42.9.	43.0
± 4000 ± 1500	16.0 17.0 17.9	24.5 25.9 27.4	29.0	38.0	41.0	41.5	44.6	43.6 46.3 49.3	46.6	48.0	48.1	45.7 48.6 51.7	45.9 48.6	MB.8	46.0 48.9,	46.1 49.5
2 8000	18.9	29.0 37.4	32.3	43.1	46.5	47.D	50.6	52.8 56.3	53.2		55.0	55.5 59.1		51.9 ,5 <u>5.5.</u> 59.5	55.9.	52.1 56.2 59.6
2 2000 3 800	1	32.8	36.6	49.7	53.7	54.3	58.8		61.8	63.8		64.6	64.6. 66.1	. 64.9.	65.5 66.5	65.1
≥ 1500	22.8	35.4 36.2	39.8	54.4	59.2	60.0	65.3	68.6	69.1		71.5	72.0	72.1	72.4. 77.7	72.4	72.6.
≥ 900	23.5	_	42.	59.3 59.7	65.4	66.2	73.4		78.1	82.8	81.2			82.4. 84.5	84.0	82.6. 84.2
≥ 800·	23.6 23.6	36.9		60 • 5	67.8			80.4			-	85.1	85.3	85.8 88.0		
≥ 600 ≥ 500 ≥ 400	23.6 23.6	37.0 37.0				69.3 69.7	79.1	83.3	85.6	89.0		. ,		91.6		89.9: 92.0
≥ 400 ≥ 300 ≥ 200	23.6	37.0	42.2		68.6	1		85.8	86.9	91.0	91.8	. = .	93.5			95.4
	23.6 23.6		42.2	60.8	68.6		80.0		87.3	91.7	92.7 92.7			96.8		
<u> </u>	23.4	37.0	42.2	60.8	68.6	69.9	80.0	86.0	87.3	91.7	92.7	94.0	94.9	96.8	97.5	130.0

USAF ETAC ...... 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 C875 GRAFENWOHR AAF DL 73-81 - MAD PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

าขั้นรี่-2505

CEIL NO							V15	BILITY STA	ATUTE MILE	E5						
FEE	≥10	≥ 6	≥ 5	24	<u>≥</u> 3	≥2.	≥ 2	≥: .	≥1.	≥1	2	≥ .	2	≥5:6	? •	≥:
N/S - E/UNG ± 20000	15.3	25.9			39.0 43.6										44.7	
≥ 18000	20.3	28.8	32.9	41.8		44.5	46.3	46.8	47.4		48.1		48.7	48.8	49.2	49.8
≥ 14000 ≥ 12000	20.4		33.4			45.0		47.3	47.9	48.5	48.6	48.7	49.2		49.7	50.3
± 10000 ≥ 2000	20.7	29.5		43.6	45.6	46.3	48.1	48.6	49.2	49.9	50.1	50.2	50.7	50.8		51.8
≥ 8000 ≥ 7000	22.4	32.0		46.8	48.7	49.5	51.5	52.1	52.7	53.6	53.7	53.8	54.3	54.4	54.8	55.4
2 6000 2 5000	23.6	33.2	37.9	49.0	51.0	51.8	53.8	54.4	55.4	56.5	56.6	56.7	57.2	57.4	57.7 58.9	58.3
> 4500 5 4000	25.2	36.1		53.2	55.7	56.4	59.2	59.9	61.0	62.3	62.6	62.7	63.2	63.3	63.7	64.3
2 1500 1: 3006	27.1	38.6	44.3	57.4	59.8	60.5	63.4	64.3	65.4	66.7	67.0	67.2	67.7	67.8	68.2 71.3	
2500 2006	30.5 31.7	42.2					69.5 73.6								74.2 78.7	
. 180€ 3 150€	32.9	44.6	50.9 52.1	67.4 69.3	,		74.2	-			78.5 82.0		79.5 83.0		80.0	_
2 200 2 100€			53.2 53.9		;		79.3 80.6	) .				84.9	85.5 87.2	85.9 87.6	86.3 88.D	86.9
- 900 ≥ 800	34.1 34.1	47.4		72.5 72.5			81.3 81.8		:	86.9 87.6	87.1 87.8	87.5		88.5	38.6 39.6	90.4
≥ 700 ≥ 600	34.3		54.2 54.2	72.7			82.6	85.1	86.8	89.4		90.2	90.8	21.1	90.6	92.1
± 500 ≥ 400	34.3	47.5	54.2 54.2		78.3	79.8	84.6	87.1	89.1	92.2	92.6	93.0	93.6	94.3		95.4
2 300 2 200 +	34.3	47.5	54.2	73.1	78.3	79.8	85.1	87.6	89.6	93.3	93.8	94.2	94.9	96.2	95.9 97.1	98.3
· .K	34.3		54.2	,											97.3	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC 0-14-5 (OL A) REVIOUS EDITIONS OF THIS FORM ARE DESCRIPE

SLERAL CLIMATOLOGY BRANCH USAFETAC AI- WEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING			-				viS	BILITY STA	ATUTE MILE	ES						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥1:	≥1.	≥1	≥ •	≥ ,	2	≥ 5 16	2.	≥0
NO CEILING ≥ 20000	13.1						35.4 40.1		36.2 41.0	36.5 41.2	36.5 41.2	37.2	37.3	37.5 42.2	37.8	38.1
≥ 18000 ≥ 16000	15.1 15.1	23.7 20.7		:	37.7 37.7	38.2 38.2	40.6	1 7 7 7 1	41.5	41.7 41.7	41.7	42.4	42.5	42.7 42.7	43.0 43.0	43.3
≥ 14000 ≥ 12000	15.4	20.7 21.1	25.6	35.4	38.3	38.9	41.3	42.2	41.8	42.1 42.4	42.4	42.8	42.9	43.0 43.4	43.4 43.8.	43.6 44.5
≥ 10000 ≥ 9000 ≥ 8000	15.5 15.6	21.5	25.9	35.9 36.6	38.8	39.4 40.1	41.8	43.5	42.8	43.2	43.6	45.1	44.5 45.2	44.6	45.7	45.2 45.9
2 7000	16.8 17.5 17.5	23.3 24.0 24.0	27.9 28.6 28.6	38.7 39.4 39.6	41.6 42.5 42.8	42.2 43.2 43.4	44.6 45.6 45.9	45.6 46.8 47.3	45.6 46.8 47.5	47.6	48.1	47.6	49.0	47.9 49.1	48.2 49.5.	48.5
≥ 5000 ≥ 4500	19.3 20.8	26.1 28.8	30.7 33.8	41.8	45.1	45.7	48.2 52.5	49.6	49.8		51.2	49.6 51.9	49.7 52.0 56.8	49.8 52.1, 57.0	50.2 52.5. 57.3	50.4 52.7 57.6
2 3500	21.6	29.6	34.8	- 1	50.3			55.8	56.1	57.3	57.8	58.5	58.7	58.8	59.2.	59.4. 62.3
≥ 2500 ≥ 2500	23.9 25.6	33.2 35.3	38.7	55.2	56.5 59.5	57.3 60.4	60.5	65.3	62.4	63.8	64.2	65.1	65.8	69.5	65.8.	66.1
2 1800 2 1500	28.5 28.8		45.5	60.8 61.7	66.3	67.3	70.1 70.9	71.8 72.6	,		74.7. 75.6	75.6.	75.9.	76.0 77.1	76.4. 77.5	76.6. 77.7
≥ 1200 ≥ 1000	29 • 3 30 • 3	40.6	48.4	66.8	68.6 71.8	70.2		79.5	80.4	82.8		80.6 84.5	84.8	81.1. 85.°	85.3	81.7. 85.6
≥ 900 ≥ 800	30.7 30.7 30.7	42.7 42.8	49.6	68.1 68.7	73.7 73.8	75.6 75.8	79.0 79.6 79.8	81.7 81.8	82.9	85.6	85.6 86.3 86.7		87.8	87.9	88.2	57.8 98.5
≥ 700 ≥ 600	30.8	43.3	50.2	69.3	74.4	76.6	81.0 81.6	83.2 83.8	84.4 85.1	87.4 88.1	88.1	87.8 89.2		89.7	97.1	90.3
≥ 500 ≥ 400	30.8 30.8	43.3	50.2 50.2	69.7 70.1	75.3 75.6	77.7 78.1		85.9 86.5	87.3 87.9		91.0	92.1		92.7 93.8	93.1	93.3
≥ 300 ≥ 200	30.8 33.8	43.3	50.2 50.2	70 · 1 70 · 1	75.6 75.6	78.1 78.1	83.4 83.4	86.5 86.7	88.C 88.2	91.5 91.9	92.2	93.3	94.1	94.7 95.8	95.2 96.7	95.9
> 100 ≥ 0	30.8 30.8	43.3	50.2 50.2	70.1 70.1	75.6 75.6	78.1 78.1	83.4 83.4	86.7 86.7	88.2 88.2	91.9 91.9	93.2 93.2	94.4	95.5 95.5		97.3	

TOTAL NUMBER OF OBSERVATIONS 825

USAF ETAC 10104 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH LSAFETAC AI- WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

GRAFENWOHR AAF DL

73-81 YANS

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ាទីទី២-៤១១០

CEILING							VIS	BILITY ST.	ATUTE MIL	5						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2;	≥ 2	<b>≥</b> 1 :	≥1.	≥:	2.4	۶,	2	≥ 5 16	2	
NO CEIUNG ≥ 20000	7.1 8.7		12.2					26.0 31.9				27.7	27.7	28.4		-
≥ 18000 ≥ 6000	8.7 8.7	12.5			25.8 25.8	1		32.6 32.6	33.0 33.0			34.8	34.8	35.6 35.6	35.0	36.3
2 14000 2 12000	8 • 8 8 • 9			22.6 23.0			31.6 32.2	33.3 33.7	33.6 34.1	34.6 35.1	34.9 35.4	35.4 35.9	35.4 35.9	36.2 36.6	36 • 5 37 • 0	36.9 37.4
≥ 10000 ≥ 9000	9.6 9.6	13.5	16.9		27.8 28.1	29.9 30.2	33.6 34.1	35.3 35.8			37.0 37.7	37.5 38.2	37.5 38.2	38.3	38.7	39.1
≥ 8000 ≥ 7000	10.5	16.6	20.3	28.3	32.8	35.1	38.9	40.6	41.4			41.1	41.2	42.2	42.6 44.9.	42.9 45.2
≥ 6000 ≥ 5000	11.6	16.9	22.1	30.5	35.6	37.8	42.4	44.5				45.0	45.1 47.8	46.2	46.6	46.9 49.6
≥ 4500 2 4000	13.5 14.1	23.2	24.7	33.7	38.9	41.2	45.8	46.6 48.0	48.9	50.3		51.4	51.5	51.5 52.6	51.4 53.C.	51.8 53.3
2 3500 2 3000	15.1 16.2	23.2	28.3	36.4 39.3	45.0	47.6	52.7	51.1 55.0	55.9	57.9	58.3	59.0		56.1	56.5 <u>60.8</u> ,	56.8 61.2
≥ 2500 ≥ 2000	17.7 20.1	29.1	34.7	41.4	54.9	57.6	63.1	57.8 65.5	66.6	69.3		70.6	70.9.	63.8 72.4.	64.2 <u>72.8</u> ,	64.6 73.2
2 1800 2 1500	20.3	31.3	37.6	51.9	59.1	58.2 62.0	68.2	71.0	72.2	70.1 75.2	75.7	76.8		78.6.		79.3
≥ 1000	22.4	32.4	39.7	54.7	62.2	65.4	71.8		77.3	80.7	81.3	82.7		85.7.	83.2 95.6	36.1.
≥ 800 ≥ 800 ≥ 700	22.6 22.6 22.6	32.8	39.9		63.2		72.2	77.4		82.7	83.4	85.0	84.3	87.3		28.5
≥ 600	22.6	32.8 32.8	39.9	54.9	63.4	66.9 66.9	74.1	77.9 78.7 80.4	80.7	84.6	85.6	87.3	86.9 88.1 90.6	90.1	90.8	91.5
≥ 500 ≥ 400 ≥ 300	22.6	32.8	40.0	, ,	64.1	67.6		80.5	82.8	87.5	88.6	90.3	91.5	93.8	94.7	95.4
≥ 200	22.6		40.0	55.4	64.1	67.6	75.3	80.9	83.2	88.0	89.2	91.3	92.9 93.2	95.5	96.9	98.7
2 0													93.0			

USAF ETAC 0.44 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLUBAL CLIMATOLOGY BRANCH USAFETAC AIN WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET		VISIBILITY STATUTE MILES														
	≥10	≥ه	≥ 5	≥4	≥ 3	≥2;	≥ 2	≥1.	≥1.	≥1 ,	≥ .	≥ ,	<u> </u>	≥ 5 16		2.
NO CEILING ≥ 20000	9.2	13.3		20.1 27.1	23.4		_			25 • 2 33 • 6i	25.2	25.2	25.2	25.2	25.3 33.7	25.3
≥ 18000 ≥ 18000	11.6	18.1	20.0		31.8 31.8	1	-		34.2	34.9 34.8	34.8	34.8	34.8	34.9	35.7 35.0	35.J 35.J
≥ 14000 ≥ 12000	11.6 12.2	18.1	20.0 20.8	1		32.0	33.7 35.0	34.1 35.4	34.3	34.9	34.9	34.9 36.3	34.9	35.0 36.4	35.2 36.5	35 · 2
≥ 9000	12.9	19.8	1		34.7 34.8	35.3 35.2		37.2 37.3	37.5 37.6	38.1 38.2	38.1	38.1	38.1	38.2	38.3	38.3
≥ 8000 ≥ 7000	14.7	22.3	25.4	35.6	39.7	38.3 40.1	40.3 42.5	40.6 43.1	41.0	41.7	41.7	41.7 44.2	41.7	41.8	42.F	42.7 44.4
≥ 6000 ≥ 5000	15.3 . 16.7	23.4	27.3	38.2	42.3	40.4	42.7	43.4	43.8	44.6	44.6	44.6	44.8	44.9	45.3	45.3
≥ 4500 ≥ 4000	17.5 18.7	27.9	37.4	42.0	46.5		49.5	50.2	48.4 50.6	49.4 51.7	49.4 51.7	49.4 51.8	49.5 51.9	49.6 52.1	49.8 52.2.	49.5 52.2
2 3500	19.3 22.3	33.0	36.7	48.8	54.1	49.5 54.7	57.7		58.8	0.0	54.3 60.0	54.4 60.1	54.5 60.2	54.6 60.3	54.7 60.5	54.7 60.5
≥ 2500 ≥ 2000	23.1 26.0	38.6	42.5	57.8	63.3	57.5 63.9	67.6	68.6	61.9 69.0	70.3	63.3 70.3	70.4	63.5 70.6.	64.0 71.2	64.1 -71.3,	64.1 71.3
≥ '800 ≥ '500	26.6 27.3	41.6	43.7	63.1	69.3	70.2		76.2		78.2	78.2	78.3	72.4 78.7	73.0 79.3	73.1	73•1 <del>79•4</del>
≥ 1206 ≥ 1000	28 · 1 28 · 3	43.2	48.3	66.1	73.0	72.7	80.0		83.3	86.3	83.0	86.5	83.5	87.6	84.3 87.7.	84.3
≥ 900 ≥ 800 ≥ 700	28.6 28.7	44.5	49.1	67.2	74.5		81.6	84.3	85.3	88.4	87.7 88.4	88.7	88.3	89.8		89.9.
≥ 600	28 • 7 28 • 7	44.6	49.1	67.3	75.2		82.0	86.6	86.6	96.1 91.7	90.3 92.0	90.6	92.9	93.9.	92.0 94.0	94.1
≥ 500 ≥ 400 ≥ 300	28.7 28.7 28.7	44.6	49.1	67.3 67.3	75.2	76.6 76.6	83.0	87.6	88.4 89.1	92.5 93.7 94.3	92.7 93.9 94.6	93.3	94.2 95.6	95.4 97.1.	95.5 97.2	97.2.
2 200 2 100	28.7 28.7	44.6	49.1	67.3	75.2	76.6	83.3	88.0	89.5	94.3	94.6	95.5 95.5 95.5	96.4	98.3.	98.2 98.9. 99.0	98.3 <u>99.5</u> 99.9
2 0	28.7	44.6		67.3		- 1	[		89.7	94.4		95.6	96.5			

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_ 82

USAF ETAC 10.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 6877 GRAFENWOHR AAF DL STATION NAME

73-81

#AF

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1220-1432

CEIUNG FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥ 4	≥ 3	≥2.	≥ 2	≥).	≥1.	≥1	≥ 4	≥ .	≥ .	≥5 8	>.	≥ €
NO CEILING ≥ 20000	17.2	23.1 28.8		35.2	27.0 35.8	27.0 36.0		27.1 36.4	27.1 36.4		27.1 36.4	27·1 36·4	27.1 36.4	27.1 36.4	27.1 36.4.	27·1 36·4
≥ 18000 ≥ '6000	21.5 21.5	30.3	31.6 31.6	37.3 37.3	37.7 37.7	37.8 37.8	38 • 3 38 • 3,	38.3 38.3	38.3 38.3	38.3 <sup>3</sup>	38.3 38.3	38.3 38.3	38.3 38.3	36.3	38.3 38.3.	38.3 38.3
≥ 14000 ≥ 12000	21.9	30.6 31.0	32.3	37.4 37.9		38.1 38.6	38.6 39.1	38.6 39.1	38.6 39.1	38.6 39.1	38 • 6 39 • 1,	38.6 39.1	38.6 39.1	38.6 39.1	38.6 39.1.	38.6 39.1
≥ 10000	22.5 22.8	32.1 32.6	33.9	39.5 40.2	40.8	40.9	40.7	41.4	41.4	40.7	40.7 41.4	40.7 41.4	45.7 41.4	40.7 41.4	45.7 41.4.	40.7
≥ 8000 ≥ 7000 ≥ 6000	24.8 26.2	35.5 36.8 37.0	38.5	43.5 45.3 45.6	44.3 46.2 47.0	46.6	44.9 47.1 47.9	44.9 47.1 47.9	44.9 47.1 47.9	44.9 47.1 47.9	47.2,	45.2 47.3	45.2 47.3	47.5	45.3 47.5.	45.3 47.5 48.3
2 5000 > 4500	27.2	38.6 39.8	47.6	48.1	49.5	49.9	2 7 2	50.5	50.5	5C.5 52.5	50.6; 52.7	50.7. 52.8	50.7 52.8	50.8, 52.9	57.8. 52.9	50.3 52.9
± 4000 ± 3500	29.3	41.9	44.2		54.0	54.4	55.0	55.0	55.0 58.0		55.1 58.2	55.2 58.4	55.2 58.4	55.3. 58.5	55.3. 58.5	55.3. 58.5
2 3000 2 2500	39.7	53.9 55.7		68.9	67.7 70.8	68.2 71.3	68.8 71.9		68.8 72.2	68.9 72.3	69.C	69.1. 72.5	69.1 72.5	69.2. 72.6	59.2. 72.6	69.2. 72.6
2 900 2 900 2 900	42.4	59.9 60.5		75.5 76.5	77.7 78.7	78.5 79.5	79.5 80.6		79.8 80.9	79.9 81.0	80.C.	81.2	87.1 81.2	81.4	<u>ac.3</u> , 31.4	8C.3 61.4
2 150C 2 100C	43.2	63.9	67.7	80.6	83.5		86.0 88.9	86.2		90.4	90.6		90.7		<u>87.2,</u> 90.€	90.8
> 900 ≥ 800	44.8 44.8	64.8 65.1	68.5			88.7 89.5 90.1	91.3 92.1 92.7	92.0 92.9 93.5	92.9 93.7 94.3	93.3 94.2 94.8	93.5	93.6 94.4 95.0	93.6 94.4 95.0	93.7 94.6 95.2	93.7. 94.6 95.2	93.7. 94.6. 95.2.
2 700 2 600	44.9	65.1 65.1	68.9		88.9	90.3		95.0	95.9		96.5 97.8	96.6		96.7		
: 500 : 400	44.8	65.1 65.1	68.9 68.9	84.5 84.5	89.1	97.7	94.2		97.C	97.8	98.3 98.9	98.5		98.8 99.5	98.8	98.8
± 300 ± 200	44.3	65.1	68.9 68.9		89.1	90.7		96.2	97.6	98.5	99.3	99.5	99.6	100.0	100.0 100.0	10.02
· x	44.8	65.1 65.1			89.1			96.2 96.2			99.3 99.3	99.5 99.5	99.6		190°01	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 826

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

-1 54.87	GRAFENHOHR AAF DI TATOL NAME 73-81	- MAR
	PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	1532-1700

CEHLING		VISIBILITY STATUTE MILES														
' FEET	≥10	≥ 6	≥ 5	≥ 4	≥3	≥2.	≥ 2	≱::	≥1.	*1	≥ •	≥ .	2	≥ 5 10	<u> </u>	≥.
NO CEILING ≥ 20000	19.3	24.4		27.5 38.7					,	28.2		28.2		28.2	28.2	
≥ 18000 ≥ 16000	27 • 8 27 • 8	35.2		45.7			42 - 1		42.1	42.1						
≥ 14000 ≥ 12000	28•2 29•1	36.3 37.2	,	41.6	,	42.5	42.9		- 1	42.9	42.9	42.9	42.9	42.9	42.9	
≥ 4000 ≥ 4000	30.5 31.0	39.0 40.0	1		45.8 46.8	46.1 47.0		46.4		46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 8000 ≥ 7000	34.2 34.8	43.8							;	51.9 53.1			51.9 53.1	51.9	51.9 53.1.	51.9 53.1
≥ 6000 ≥ 5000	35 • 2 36 • 9	45.0	1	51.5 54.5		53.0				53.6					53.6 57.0	
2 4500 2 4000	38 • 1 39 • 8	49.8 51.2	;		58 • 1 6C • 8					59.3 62.1		59.3 62.1	59.3 62.1		59.3 62.1	
2 3500 2 3500	42.7 47.6	55.3 62.2	56.7 64.2	63.6 71.2	65.2 72.8	65.5 73.1	66.3 74.3			66.5 74.7		,				66.5 74.7
2 2506 2 2006	49.7 50.9	64.6 67.0	66.9 69.7	78.9	81.0	76.7 81.5	83.0	83.5	83.6	78.7 83.8	83.8	83.8	83.8	83.8	78.7 83.8,	83.6
2 1800 2 1500		70.1	72.0 73.8	85.7	87.9	88.4	90.2	90.9	91.0	91.2	91.2	91.2		91.2	91.2	91.2.
2 1200	52.4 52.5	70.2	74.5	87.4	89.9	90.4	32 . B	93.9	94.8	94.9	94.9	94.9	92.7	94.9	94.9.	94.2
2 80°	52.5 52.5	70.7 73.7	74.5	88.4	91.6	92.2	94.9	96.1	97.2	96.1 97.3	97.3	97.3	96.1 97.3	97.3	97.3.	97.3
≥ 700 ≥ 600	52.5 52.5	77.7		88.4	91.6	92.2	95.0	97.0	98.2	98.7	98.7	98.7		98.7.	98.7	98.7
± 500 ≥ 400	52.5 52.5	70.7 70.7	79.5	88.4	91.6	92.2	95.2	97.1	98.3	98.9	99.3	99.2	99.4	99.4.		99.5
2 300 2 200 3 100	52.5 52.5	70.7	74.5	88.4		92.2	95.2	97.1	98.3	98.9	99.3	99.4		99.6		99.9
2		70.7		88.4									99.5			

USAF ETAC 0-14-5 (OL A) mevious portions of this form are desoults

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

1 6870 STATION	RAن	FENHO		F DL				73-	81			P\$				- M	<b>A</b> 3
					PEI			FREQU HOURL								រទីបីប៉ី-	<u>-5667</u>
	CEILING					VISIBILITY STATUTE MILES											
•	FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.		, ≥:.	≥'.	۱ج	ż •	٤,	2	25.6	2.	<b>≩</b> 0
•	O CEILING ≥ 20000	21.9 27.2	28.3	37.7 39.1		33.0 43.0		34.4	34.6 45.1	34.6 45.1	34.8	34 · E	34.8	34.8	34.8	34.9	34.8
	≥ 18000 ≥ 18000	27.6 27.6	37.1 37.1	47.3 47.3		44.5		1	46.5	46.5	46.7	46.7	46.7	46.7	46.7		46.7
:-	≥ 14000 ≥ 12000	28.3 29.2	37.9 39.0	41.2	44.2	- 1	46.2	47.1 48.6		47.4	47.5 49.1	47.5 49.1	47.5	47.5 49.1		47.5 49.1	
	≥ 19000 ≥ 9000	30.6 31.1	40.8	44.2	47.9 48.7	49.1 50.3	49.9 51.2	51.4 52.6	51.8 53.0	51.8 53.0		51.9 53.1	51.9 53.1	51.9 53.1	51.9 53.1	*1.9 53.1	51.°
_	≥ 800° ≥ 700°	34.3 36.2	44.8	48.2 50.4	52.7 54.9	54.4 56.7	55.4 57.7	56.9 59.3		57.4 59.9	1	57.5 60.0	57.5 60.3	57.5 60.3	57.5 60.0	57.5 63.0	57.5 62.2
_	≥ 6000 ∴ 5000	36 • 6 37 • 9	47.4	51.0 52.9	55.5 57.7	57.4 59.7		60.0 62.5	60.6 63.3		60.8 63.4	67.8	60.8	67.8	60.8 63.4	63.4	60.8 63.4
	≥ 4500 ≥ 4000	36.9 40.5	:	55.0 57.5	1	63.4 65.0		66.6 69.3		67.4 70.1		67.6. 70.2	67.6 70.2	67.6 70.2	67.6. 70.2		67.6 70.2
	≥ 3500 ≥ 3000	42.7 45.3	55.3 59.1	59.5 63.8	67.0 71.6	69.0 73.6	70.2 74.8		73.3 78.4	·	73.4 78.5	73.4 78.5	73.4 78.5	73.4 78.5		73.4 78.5	
	≥ 2500 ≥ 2000	46.1 47.1	59.9 61.7	64.9	73.0	_ 1		78.9 83.8	80.2 85.5		80.4 85.8	80.4 85.8	80.4 85.8	80.4 85.8	80.4 85.8	80.4 85.8	80.4 85.5
	≥ 1800 ≥ 1500	47.3	62.5	68.0 69.0	80.0 81.4		83.6			88.0 90.2		88.1 90.3	88.1	88 • 1 90 • 3	88.1 90.3	88.1 90.3	88.1 90.3
	≥ 1200 ≥ 1000		63.3	69.1	81.9 82.9	84.9		88.9 90.5			91.3 93.4	91.4	91.4	91.4	91.5	91.5	91.5 93.7
!	≥ 900 ≥ 800	- 1	63.5	69.4		86.4 87.2		90.9			93.8		93.9	93.9	94.0	94.0 95.5	
Ī	⊇ 700 ≥ 600	47.9 47.9	63.8 63.8	69.6		87.5 87.5	88.9	92.5	94 · 8	95.5	95.9	96.0			96.1 97.3	i i	96.1
	≥ 500 ≥ 400	1	63.8 63.8		83.8	87.5 87.5		1		97.1 97.2	98.2	98.4	98.5	98.5	98.7	98.7	98.7 99.6
	≥ 300 ≥ 200	47.9	63.8	69.6		87.5 87.5			96.1		98.7	-	99.1	99.1	99.3		99.6
·	2 100 2 0	47.9	63.8	69.6	83.8	87.5	89.1	93.3	96.1	97.2		99.0	99.1		99.3		99.8
<u></u>																	

TOTAL NUMBER OF DESERVATIONS A23

USAF ETAC 10164 0-14-5 (OL A) MEMOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AT: WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

1 6870 GRAFENMOHR AAF DI

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2122-2300

CEILING							VI	SIBILITY ST	ATUTE MIL	E5						
FEET 1	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2:	. ≥2	≥ :	≥1.	≥1	≥ .	٤,	2	25 5	٠.	
NO CEILING ≥ 20000	22.2			38.4	39.6	40.4		42.4	42.7	43.4	43.4	43.5	43.8	44.7	44.0	44.7
≥ 18000 ≥ 16000	24.3	34.4		43.3	44.8		47.3	48.2	48.4	49.1	49.1	49.3	40.5	49.8	49.8	49.9
≥ 14000 ≥ 12000	25.4	35.2		1	45.6		48.2	49.0				50.1	50.4	50.6	50.6	50.6
≥ 9000 ≥ 9000	25.6					48.3	57.5		51.6	52.3	52.3	52.4	52.7	52.5	52.9	52.9
≥ 8000 ≥ 7000	28.0		42.9		52.4		55.6	56.5	56 • 7	57.4	57.6	57.7	58.0	58.3	58.7	58.3
≥ 6000 ≥ 5000	29.1	41.3	44.4	52.4	54.0			58.2	58.5	59.3	59.4	59.5	59.9	60.1	63.1	60.1
≥ 4500 2 4000	33.3			59.5		62.0	64.9		66.1	66.8	67.0	67.1	67.4	67.7	67.7	57.7 70.9
≥ 3500 ≥ 3000	36.2							71.5		72.7	72.8	72.9	73.3	73.5	73.5	73.5
≥ 2500 ≥ 2000	38.8		58.4	1 _ 1	72.6	73.4 78.0		77.4 82.2	77.8 82.6	78.8	78.9	79.0	79.4	79.6	79.6	79.6
2 1800 2 1500	40.0 40.7	56.1 57.1	60.7	75.5	78.0 80.9	78.9	82.2	83.0	83.4	84.6	84.8	84.9	85.2	85.6	65.6	95.6
± 1206 ± 1000	43.7	57.1 57.2		78.0	81.8	82.7		87.4 88.3	87.9		89.4	89.5	89.9	90.2	90.2	90.2
2 900 ≥ 800	40.7 40.7	57.2	62.2	78.7	82.7			99.3			91.6	91.8	92.2	92.6		92.6
2 700 2 600	40.7	57.2 57.2		79.1 79.1	83.5 83.7	85.1 85.4	90.0	91.2 92.0	91.8	93.5	93.9	94.3	94.6	95.7	95.0	95.0
: 500 ≥ 400	40.7	57.2 57.2	62.2	79.1 79.1	83.8	85.5 85.5		92.7	93.5	95.6	96.1 96.6	96.5		97.2	•	97.3
2 300 2 200	40.7	57.2 57.2		79.1 79.1	83.8		91.3	93.0	93.9	96.6	97.1	97.4	97.8	98.4		96.8
	47.7	57.2 57.2							94.0	96.8 96.8	97.3	97.7 97.7	98.2 98.2	98.8	99.5	99.8

USAF ETAC " " 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETS

GLIBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEIUNG							v.\$	B-1-1- 5-4	ATUTE MALE							
* FEET *	≥10	≥ 6	≥ 5	≥ 4	<b>2</b> 3	≥2.	≥ 2	≥ ·	3. •	≥,	٤٠	≥ •	2	45.6	7.	2.0
NO CEIUNG E 20000	15.3	21.5		28.9				72.6 40.1	-							33.0
≥ 18000 ≥ 18000		27.1. 27.1	29.8	36 • 5 36 • 5				41.2				42.1 42.1			42.5 42.5.	
≥ 14000 ± 12000	• •		37.3 37.8			_	;	41.8					42.7		43.0 43.8.	
≥ 10000 ≥ 9000	21.2	29.3		39.6	41.7	42.5	44.3		45.1	45.5	45.6.	45.8.	45.9.	46.1.	45.5 46.3.	45.8 46.4.
2 9000 2 7000	24.2	33.2		44.3	46.7	47.5	49.5		50.4	51.C	51.1.	51.3	51.5	51.7.		50.2 52.2
≥ 6000 : 5000	25.7	35.2	39.4	44.8 47.0	49.6	50.4	52.6	53.5	53.8	54.4	54.6	54.8.	55.2	55.2		52.9
2 4500 2 4000 3 3500	29.2	38.8	40.6 42.5	52.1	54.8	55.7	58.1	56.7 59.1	59.4	60.2	60.3.		63.7	51.C	61.1.	58.8 61.3
2 EXX	32.5	44.7	49.9		62.8	63.8	66.4	67.4	67.8	68.7	68.8.	69.1.	63.8 69.3 72.4	64.0 69.5	64.2 69.7. 72.9	64 • 3 69 • <del>3</del>
2000	35.8	49.5	54.1	67.5	71.1	72.2	75.3	76.4	76.9	78.0	78.2.	78.5	78 • 7 80 • 3	79.1.	79.2.	79.4
2 1500	36.9	51.6	56 • 7 57 • 7	71.7	75.8	77.0	80.5	81.9 54.2	82.5	83.8	84.2		64.6.	84.9	85.1.	85.2
2 1000 900	37 • 7 37 • 7	$\rightarrow$		74.2	78.8	80.2	94.2	86.0	87.0	88.7	89.5	89.4	89.7.	90.1.		
2 804 2 700		$\overline{}$	58.5 58.6	74.9 75.0											92.2. 93.4	
2 600 2 500	37.8	53.1	58.6 58.6	75.1	8 . 6	82.4	87.4	89.2 90.2	91.5	93.9	94.4	94.9	95.4	96.0	96.2	_
2 400 2 300 2 200	37.8	53.1		75.2	87.6	82.4	87.6	90.7	92.1	94.9	95.5	96.1	96.7	97.5	97.2. 97.9	98.3
	37.8	53.1	- 1	75.2	87.6	82.4	87.6	90.7	92.2	95.1	95.7	96.4	97.0	98.1		99.7
	5/ • 8	33.L	28.6	75.2	80.6	82.4	8/.7	9U . 7.	72.2	<u> 45.1.</u>	<b>95.7</b>	40.4:	<u>y</u>	Y8 . 1	98.81	

USAF ETAC .... 0-14-5 (OL A) PREVIOUS EXITIONS OF THIS FORM ARE OBSOLETI

SLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CE LING							viS	BILITY STA	TUTE MILE	5						
' FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥?	≥	≥1.	≥1	٠.	2 .	2	≥5 '6	>.	<b>2</b> 0
NO CEILING ± 20000			41.2		- 1			48 • 2 52 • 9			48.5	48.5	4°.5	49.7	43.	49.3
≥ 18000 ≥ 16000		47.6	44.2	49.0 49.0	51.2 51.2	51.3 51.3	52.3		53.0	53.4	53.4	53.4	53.4	53.9 53.9.	53.9 53.9.	54.2
≥ 14000 ≥ 12000	25.6 26.2	41.2	44.9	49.0 49.7	51.2 51.8	51.3 52.0	52.3 53.0	52.9 5 <b>3.5</b>			53.4 54.0.	53.4 54.7	53.4 54.1	53.9 54.6.	53.9 54.6.	54.2 55.2
> 5000€ = 1000€	27.2	42.5	46.5	51.3 51.8	54.2	54.4	55.8		56.4	56.8	55.8 56.8,	55.8 56.8	55.9 56.9,	57.4.	56 • 4 57 • 4.	56.0 57.8
≥ 8000 ≥ 7000 ≥ 6000	29.4 29.9	47.3	51.0	56.5	59.2	59.3	60.8		52.1	62.5.	61.3 62.5	61.3 62.5	62.6	61.6 _63.1.	61.6 53.1.	63.5
5:000 	32.1	47.8 50.4	51.5 54.1 56.0	67.1		63.1	64.8	65.9	66.0		06.4.	66.4.	63.1 <u>66.5</u> ,	67.5.	63.6 <u>67.3.</u>	67.4.
± 4000	33.8 34.1	53.7		65.7		7.701.	72.2	73.4.	73.5	73.9.	73.9	73.2.	74.3.	74.5.	76.3	74.9.
2 - CMAG 2 - LSOX	34.9	56.5	63.9	70.1	74.7	74.9	77.2	78.5	78.6.		79.2.	79.2.	79.3	79.8.	19.8.	80.2.
2005 800	35.6	60.3	,	76.3	81.6	81.9	84.5	85.8	85.9	86.7.	86.7	86.7. 86.7	86.8.	87.3.	97.3.	87.7.
2 5.K	37.1 37.9	61.2	65.9		84.5			91.5	89.3 91.6		89.7. 92.4		59.9. 92.5	93.5		90.7. 93.4
2 BOH	38 • 1 38 • 1	62.		83.0	89.2	89.7	92.4	94.0	94.2	95.1	95.1	95.1	95.2	95.7	95.7	96.5
30X	38 • 1 38 • 1	62.9		83.7		92.4	93.7	95.8	95.9	96.8	96.8	96.8	97.0	97.5	97.5	98.2
: 500 2 400	36.1 38.1	62.9		83.8	97.0	99.5		96.1		97.1	97.1 97.1	97.1. 97.1.	97.3 97.3			98.5 98.6 98.5
. 10t. .: 200	38.0	62.9	67.7		90.1			96.2	96 • 3 96 • 3	97.2	97.5	97.5	97.7	98.2	98.2	99.3
	38.7 38.1	62.9			_				96.3	97.2	97.5 97.5.		97.8 97.8	98.5		99.5

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 67 GRAFENWOHR AAF DL

73-81

- APE

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							vis	IBILITY ST	ATUTE MILI	ES.						,
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2.	≥ ?	≥1:	≥1.	≥ 1	2 .	≥ .	2	≥5 'a	٠.	≥0
NO CEIUNG ≥ 20000	15.3 16.5	25.7 28.1	37.9 33.5	37.0 40.2	39.5 42.8	39.8 43.2	40.9	42.5 46.0	42.5	43.1 46.8	43.3 47.0	43.5	43.5	43.7	44.2	44.4
≥ 18000 ≥ 18000	16.5		33.5 33.5						46.0	46.8		47.1	47.3	47.5	48.0	48.2
≥ 14000 ≥ 17000	16.5 16.6			40.7	(	43.2	44.5 45.0	46.D		46.8 47.3		47.1	47.3	47.5	48.3	48.2
≥ 10000 ≥ 9000	17.1	29.9		42.3	45.0			47.9		48.7	48.9	49.3	49.2 53.1	49.6 50.4	50.1 51.0	50.4
≥ 9000 ≥ 7000	19.6		38.9	46.9	49.7	50.3	52.2	52.0 54.2	54.2	55.3	55.5	55.6	53.5 55.8	53.9 56.1	54.4 56.7	54.8 57.0
≥ 6000 ≥ 5000	20.0 21.4	35.9	42.3	50.8	54.0	54.6	56.8	55.0 59.1	59.1	60.2	63.5	60.6	56 • 5 60 • 7	56.9 61.1	57.4 61.6	57.8 62.2
• 4500 • 4000	23.1	37.3	45.6	55.0	59.3	57.7 63.2	62.9	62.6	65 • 3	66.8	67.0		64.5	64.9	65.4 68.2.	65.8 68.6
2 3500 2 3500	24.6	39.9 41.7	48.9	60.1	64.9	65.8	68.7	68.3 71.4	71.4	72.9	73.1	73.3	70 • 3 73 • 4	70.7 73.8.	71.2 74.3.	71.6 74.7
2500 2000	25.5	42.6	51.6	64.3	70.2	71.5	75.2		78.1	79.7	80.1	76.9 80.2	77.1 85.4.	77.4 83.7.	77.° 61.2.	78.3 31.5
2 1500 2 1500	26.0	43.9	53.7	67.4	74.5	75.8	79.7	78.6 83.1	83.1	84.8	80.6 85.2	80.7 85.3	80.9 85.4,	81.2 85.8	81.7. 86.3.	82.1 66.7
± 1200 ± 1600	26.4 26.7		54.4 55.1	7C.8	78.6	80.2		88.6		90.6		91.1	88.2 91.3	91.6.		89.5 92.6
2 800 2 800	26.7 26.7		55.3	72.1		81.6	86.4	90.1	93.1	92.1	92.5	92.6.	92.8	93.2.	93.7.	93.0
500	26.7	47.0	55.4	72.6	87.9	82.5	87.6	91.4	91.4	93.5	94.0	94.6	94.7	95.1.	95.1 95.6	
± 400	26.7 26.7		55.4	72.6 72.6	81.0		87.7		91.5		94.7	95.2	95.4	95.9	96.5	97.0
2 200	26.7	47.0	55.4	72.6	81.0	82.6	87.8		91.6	94.6	95.2	95.7		96.5	97.5	97.3
				72.8											97.71	99.5

USAF ETAC 104 9-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOIC!

GL/BAL CLIMATOLOGY BRANCH USIFETAC AI AEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

STATES GRAFENHOHE AAF DI

73-81

AP3

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		·					vis	HBILITY ST.	ATUTE MIL	ES						
FEET	≥10	≥ 6	≥ 5	≥4	≥ 3	≥2:	≥ 2	≥1 :	≥1.	≥1	٤.	₹.	≥	≥ 5 ' 6	2.	.—
NO CEILING ≥ 20000	9.4 15.7	16.7 19.7	19.7	26 • 0 30 • 4	31.2	32.3			36.9		37.7	37.8	37.8	37.9	38.4	39.1
≥ 18000 ≥ 16000	10.7	19.8 19.8		30.5 30.5	36 • 6 36 • 6	37.8 37.8	40.7	42.5 42.5	43.1 43.1	44.2	44.2	44.3	44.5	44.6	45.1 45.1	45.7 45.7
≥ !4000 ≥ :2000	17.8	23.1 25.7	23.5 24.1	30.8 31.4	36.8 37.8	38.1	41.0 42.0	42.7 43.7	43.3	44.5	44.5	44.6	44.7 45.7	44.8	45.4	46.5 47.2
≥ 10000 ≥ 10000	11.6	21.2	24.6 25.0					45.1			47.4	47.6	47.7	47.9 48.6	48.4	49.J
≥ 8000 ≥ 7000	11.7	22.9	26.4	_ 1	41.7	43.1	46.9 48.2	48.7 50.1	49.4	51.1 52.6	51.1	51.4 53.0	51.5 53.1	51.6	52.1 54.3	52.8 54.6
≥ 6000 ≥ 5000	11.9	23.7	27.5 29.4	36.6 38.7	43.3 46.0	45.0	48.9 51.8		51.5 54.5	53.3 56.3	53.3	53.6 56.7	53.8	54.1 57.3		55.3 58.4
2 4500 2 4000	13.3	26.6	3^.8 32.1	40.5 42.2		50.5 52.5		56.7 58.8			59.7 62.1	60.1	60.3	60.8 63.2	61.3	61.9
2 3500 2 8000	15.1 15.5	29.5 30.7	34.3 35.6					62.1 64.8		65.2 68.6	65 • 3 68 • 7.	66.3	66.2	66.7	67.2 70.6	68.5 71.4
2 2500 2006	16.7	31.5	36.8 38.8		58.5		64.9	67.5 72.4	- 1	71.2 76.5	71.4	72.5	72.2 77.5	72.7	73.2 78.5	
2 1800 2 1500 	16.7	33.3 34.4	38.8 40.1	:	1			73.0 76.1		77.1	77.3	77.9 81.2	78.1 81.4	78.6 81.9	79.1 52.4	79.9
2 1200 2 1000	17.5	35.3 35.6		56.2 57.1		69.5 70.6		78.8 80.8	79.9 81.9	83.3 85.6	83.4		84.3		85.3 87.7	86.1 88.4
900 800	17.5	35.6		57.4 58.0	68.8	71.4		€1.7 82.9		86.6 88.1	86.7	87.4 89.2	87.7 89.4	58.2 89.9		89.4
: 706 : 600	17.5 17.5	35.6 35.6				- 1			84.9 85.6	89.1 89.7	89.2 89.8	90.2 90.8	90.5 91.1	91.0 91.6		92.2 92.8
500 ± 400	17.9 17.9	35.6 35.6	,						86.7 87.2	91.2 92.2	91.3 92.3	92.8	93.1	94.C 95.2	94.6 95.9	95.6 96.9
: 300 : 200	17.5	35.6 35.6	41.6		i			85.7 85.8		92.5	92.6 92.7		94.6	95.5 96.1	96.1 97.1	97.4
· · · · · · · · · · · · · · · · · · ·	17.5		41.6					85.8 85.8			92.7 92.7			96.4 96.4	97.2 97.2	99.9

USAF ETAC 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILLTY ST	ATUTE MIL	E 5						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2:	≥ 2	≥1	≥1.	≥) .	2 ·	≥ .	≥ .	≥5 6	2.	≥c
NO CEILING ≥ 20000	17.1 20.5	26.4 32.0		34.0 40.4	_i	35.0 42.0		35.8 42.9		35.9 43.0		35.9 43.0	35.9 43.0	36. <sup>^</sup>	36.1	36.1 43.3
218000	20.6 20.6	32.5 32.5		41.4	43.3	43.3	44.0		44.1	44.3	44.3	44.3	44.3	44.4	44.5	44.5
≥ 14000 ≥ 12000	20.8	32.9 33.3	34.4 34.8	41.8 42.3	43.6	43.6	44.4	44.5 45.0	44.5	44.6	44.6	44.6	44.6	44.8	44.9	44.9
≥ 10000 ≥ 9000	22.0 22.0	34.6 34.6	!	44.4	46.5	46.5	47.4		47.5 47.5	47.6	47.6	47.6	47.6	47.8 47.8	47.9 47.9	47.9 47.9
≥ 8000 ≥ 7090	23.5	37.6 39.3		48 • 1 49 • 1	50.6 51.8	50.6 51.8	51.5 52.6		51.8	51.9 53.C	51.9. 53.C.	51.9 53.0	51.9 53.2	52.° 53.1	52.1 53.3	52.1 53.3
≥ 6000 ≥ 5000	24.0	38.5 39.9		49.4 51.3	52.0 53.9	52.0 53.9		53.1 55.3	53.1 55.3	53.3 55.4	53.3 55.4	53.3 55.4	53.3 55.4	53.4 55.5	53.5 55.5	53.5
≥ 4500 ≥ 4000	25 · 6 27 · 5	41.6	43.5	53.3 56.9	56.3 59.9	56.3 59.9		57.6 61.5	57.6 61.5	57.9 61.8	57.9. 61.8.	57.9 61.8	57.9 61.8	58.0 61.9	58 • 1 62 • 2	58.1 62.2
2 3500 2 3000	29 · 1	47.1 51.5	50 • 1 54 • 5	61.0 66.4	64.3 72.5	64.3 70.6	65.6 72.1	66.0 72.5	66.D	66.3	66.3 72.9.	66.3	66.3	66.4 73.0	66.5 73.1	66.5 73.1.
≥ 2500 ≥ 2000	33.5 34.9	54.3 56.9	57.6 61.1	70.5 75.1	75.0 79.9	75.1 86.0	76.8 81.9	77.1 82.6	77.1 82.8	77.5 83.1	77.5 83.1	77.5	77.5 83.1	77.6 83.3	77.8 63.4	77.8 83.4
2 1800 - 2 1500	34.9 35.1	57.0 59.0	61.3	76.0 80.5	80.9 85.5	81.3 85.6	82.9 87.6	83.6 88.4	83.8	84.1	84.1	84.1 89.0	84 · 1 89 · 0	84.3	84.4 89.3	84.4 89.3
2 1200 ; ≥ 1000	35 • 4 35 • 4	59.6 60.0	64.9	82.3 83.8	87.6 89.6	87.8 90.0	89.8	90.6	90.8 94.1	91.3 95.1	91.3	91.3 95.1	91.3	91.4	91.5 95.4	91.5
> 900 ≥ 800	35.4 35.4	60.0		83.9 84.3	90.4	90.8	93.6	94.4	94.5	95.5 96.0	95.5	95.5 96.0	95.5	95.6	95.8	95.8
≥ 706 ≥ 600	35.4	60.0	65.3		90.9		94.1		95.6	97.1	96.6	96.6	96.9	97.3	97.5 98.1	97.5 98.1
: 500 : : 400	35.4	60.0		84.4	91.0		94.4	95.9	96.1	<del></del>	97.8	97.8	98.3	98.8	99.7	99.0 99.1
2 300 2 200	35.4	60.0	65.4		91.0	91.4	94.4	96.1 96.1	96.4		98.1. 98.1.	98.1	98.6 98.6	99.3	99.4	99.4
; /JC ; 3	:	60.0	1	84.4	91.1	91.4				98.1 98.3		98.1			99.8	

USAF ETAC 100 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLIBAL CLIMATOLOGY BRANCH USAFETAC AI: REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

1 STATES STATES NAME OF STATES NAME

73-81

APP

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEIUNG		•					VI5	BILITY ST	ATUTE MILI	ES						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥1;	د ا≤	≥1	≥ 4	<u> 2</u> 1	≥ :	, ≥5 16	2.	≥c
NO CEILING 2 20000	21.3 26.5	29.6 37.3	37.1 38.0	31.0 39.7		31.0		31.0 39.7	31.0 39.7			31.J	31.0	31.0	31.7	31.3
≥ 18000 ≥ 16000	26 • 8 26 • 9	38.2 38.2	38.8 38.8			40.6		40.6	40.6	40.6	40.6 40.6	40.6	40.6	43.6	40.6 40.6	40.6
≥ 14000 ≥ 12000	27.3 27.5	38.7 38.8	39.3 39.5		7 7 74	41.1 41.2	41.1 41.2	41.1 41.2	41.1 41.2	41.1	41.1	41.1	41.1	41.1	41.1	41.1 41.2
≥ 10000 ≥ 9000	28•2 28•5	39.8	40.4	42.3	42.3	42.3	42 • 3 43 • 3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3 43.3.	42.3
≥ 8000 ≥ 7000	30.2 32.0	42.9		45.7 47.8	45.7	45.7 47.8		45.8	45.8		45.8	45.8	45.8	45.8	45.8	45.8 47.3
2 6000 2 5000	32.1 34.1	45.3	46.3 49.7	48.4 51.9		48.4	48.6 52.1	48.6 52.1	48.6 52.1	48.6 52.1	48.6 52.1	48.6	48.6 52.1	48.6 52.1	48.6 52.1.	48.6 52.1
≥ 4500 ≥ 4000	36.1 39.1	50.9 54.4	52.2 55.7	54.6 58.4	54.6 58.4	54.6 58.4		54.7 58.6	54.7 58.6	54.7 58.6	54.7 58.6	54.7	54.7 58.6	54.7 58.6	54.7 58.6.	54.7 58.6
2 3500 2 3006	42.7	59.2 68.7	67.8 72.4	63.8 75.3	63.8 75.8	63.8 75.8		63.9 75.9	63.9 75.9		63.9 75.9	63.9	63.9 75.9	63.9	63.9 75.9.	63.9 75.9
2500 2000	53.6 54.6	74.4 78.5	76.7 80.6	1				82.8 87.6	87.6		82.8 87.6	82.8	82.8 87.6	82.8 87.6	82.8 87.6,	82.8
. ± 1800 ≥ 1500	54.6 56.6	78.3 81.1	81.3 84.5	,	- 1	87.9 92.4	88.3 92.9			88.3 93.0	88 • 3 93 • 0		88.3 93.0		88.3 93.0.	
≥ 1200 ≥ 1000	57•2 57•3	91.8 82.4		,	93.8 95.6				94.8		i	94.8			94.3	
2 900 ≥ 800	57.3 57.3	92.5 82.5	86.1 86.1	i !	95.9 96.5				97.9 98.5	97.9 98.5	97.9 98.5	97.9	98.0 98.6		98.0 98.6	98.7
≥ 700 ≥ 600	57.4 57.4	82.8 82.8			96.9 96.9	97.1 97.1		98.9 99.1	98.9 99.1	98.9	98.9 99.1	98.9			99.1	
± 500 ≥ 400	57.4 57.4	82.8 82.8			97.0 97.0			99.3 9 <b>9.</b> 3	99.3 99.3	99.3	99.3	99.4			99.9	-
2 300 2 200	57.4 57.4	82.8 82.8	86.5	96.0	97.0 97.0	97.3	98.5		99.3	99.3		99.4		L	100.0	1
. 100	5/•4 57•4	82.8 82.8		96.0 96.0	97.0				99.3 99.3			99.4		Γ	100.01 120.01	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 8.0

USAF ETAC 1.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH LSAFETAC AT: meather service/mac

### CEILING VERSUS VISIBILITY

STATION GRAFEN NOHR AAF DL

73-81

APD -

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1532-1720

CEILING							viS	BILITY ST	ATUTE MILI	ES						
FEET	≥10	≥6	≥ 5	≥4	≥ 3	≥?	≥ 2	≥::	≥1.	≥1	2.4	ž 1	<b>2</b>	≥ 5 16	<b>.</b>	خ ذ
NO (ERING ≥ 20000	25. 30.9		33.9	34 • 4 43 • G	34.4 43.0		34.4. 43.0								34.4	34.4 43.0
≥ ±8000 ≥ 18000	31.7 31.7		43.9		44.4	44.4	44.4	44.4	44.4			44.4	44.4	44.4	44.4	44.4
≥ 14000 2 17000	31 • 7 31 • 9	44.0 44.7		44.5		44.5	44.5 45.2	44.5	44.5	44.5 45.2		44.5	44.5	44.5 45.2	44.5	44.5
≥ 10000	34.0		1	47.8	47.8	47.8	47.8 48.6	47.8	47.8	47.8 48.6		47.8		47.8 48.6	47.8 48.6	47.8
≥ 8000 ≥ 7000	39.0 39.6		54.3 55.1		55.1 56.1	55.1 56.1	55.2 56.2	55.2 56.2		55.2 56.2	55.2 56.2	55.2 56.2		55.2 56.2	55.2 56.2	55.2 56.2
≥ 6000 ≥ 5000	39.8 42.5		i	56.2 59.8			56.5 60.1	56.5 60.1		56.5 60.1	56.5 60.1	56.5 60.1		56.5 60.1	56.5 63.1	56.5 60.1
2 4500 2 4000	44.9	,				63•2 66•3	63.4				63.4 68.4		63.4 68.4	63.4 68.4	63.4 68.4	53.4 68.4
2 3500 2 3000	52.3 56.6		72.8		74.7 82.8		74.8 83.1			74.8 83.2			74.8 83.2	74.8 83.2	74.8	74.8 83.2
≥ 2500 ≥ 2000	58 • 1 59 • 1	84.1		89.3	90.0		90.2		90.3	96.3	90.3	86.8 90.3	92.3	36 • 8 90 • 3	86.8 90.3	86.8 90.3
2 1800 2 1500	59.5 60.6	86.3	87.7	92.6		93.7	93.9	90.8	94.0	94.0	94 . C	90.8 94.0			90.8 94.0	90.8 94.5
≥ 1700 ≥ 1000	61.6 61.1	87.3	89.2	95.9	95.6 96.7	97.0	97.6	97.7	97.9	98.0		98.0	98.0		96.1 98.0	96.1 98.3
≥ 900 ≥ 800	61.1	87.3	89.2	96.0	96.9	97.1		98.5	93.6	98.7	98.7	98.7		98.7	98.1 98.7	98.1
≥ 700 ≥ 600	61.1 61.1	87.3	89.2	96.0	97.0		98.6	99.0	99.1	99.6	99.0	100-0	מ.כנו	100.0	99.0	LOC.C
± 500 ≥ 400	61.1		89.2	96.0	97.0	97.2	98.6	99.D	99.1	99.6		100.0	100.0	0.00	100.0	100.0
± 300 ± 200 ⊢ — —	61.1	87.3	89.2	96 . D	97.0	97.2	98.6	99.0	99.1	99.6		100.C	30.0	CO.C	30.0	100.6
	61.1		-	96.0												

USAF ETAC 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

GLOBAL CLIMATOLOGY BRANCH

GRAFENHOHR AAF OL

AT AEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7.1-81

1855-500c

CEIUNG		· <del> </del>					v1\$	BILITY ST	ATUTE MILE	5						
FEET	≥10	≥6	≥ 5	≥4	23	≥2:	≥ 2	≥1 :	≥1.	≥1	2.	≥ ,	≥ .	≥5 6	2.	≥0
NO CEIUNG ≥ 20000	27.5 32.7	36.6			39.5		- 1	•			39.8			39.9	39.0	39.9
≥ 1800C ≥ 16000	34.5	47.5				51.1 51.1	51 • 3 51 • 3	51.3 51.3			51.3 51.3	-		51.5	51.5 51.5	51.5
≥ 14000 ≥ 12000	34.5	47.5	1 1 7		51.1 51.3	51.1 51.3	51.3 51.6			51.3 51.6	51 · 3 51 · 6		51.5	51.5	51.5 51.7	51.5 51.7
≥ 10000 ≥ 9000	37.0 37.1	50.3	52.1 52.7		54.4	54.4 55.1			54.6		54.6		-	54.8 55.5	54.8 55.5.	54.8
≥ 8000 ≥ 7000	41.6	56.7 57.8	59.1 60.2		61.6 63.0	61.6				62.0	62.7		62.1		62.1	62.2
≥ 6000 ≥ 5000	42.5	53.6	61.1		1	63.9	i i	]	64.3	64.6		64.6	64.8	64.8		64.9
≥ 4500 ≥ 4000	46.3	63.9	66.7	1		. ,					70.3 75.9				77.5 -76.7.	70.6 76.2
≥ 1500 ≥ 1000	57.6 53.7	71.6		77.7 82.3	78 • 5 83 • 1			(	79.1 83.9		79.5 84.5				79.6 84.7.	79.7 84.8
2 2500	55.4 56.1	78.8 79.7					88.2 89.7				88.8 9D.4					
2 500	56.5 56.9	80.4	83.9		89.5 91.4				90.4		91.0 92.9					
± 1200 ≥ 1000	56.9	81.7	85.6 85.9	92.9		95.1	95.9		96.5	97.2	95.2 97.2	97.2	97.3	97.3.	97.3.	97.5
≥ 900 ≥ 800	57.1 57.1	82.3	86.1	93.2	95.1		96.3		97.1	97.8		97.8	98.0	98.5	98.0	
≥ 700 ≥ 600	57.3 57.3	82.3	86.2 86.2	93.3	95.4	95.8	97.0	97.B	97.8	99.0	98.2 99.0	99.1	99.2	99.2	99.2	99.4
≥ 400	57.3 57.3	82.3	86.2	93.3	95.4		97.0	97.8 98.1	98.1	99.2	99.0	99.4	99.5	99.5	99.5	99.6.
≥ 300 ≥ 200	57.3 57.3	82.3	86.2	93.3	95.4		97.0	28.1	98.1	99.2	99.2	99.4	99.6	99.7	99.7	99.9
3 .30	57.3 57.3	82.3	86.2	1	95.4	i		- 1			99.2					100.5

USAF ETAC 2004 0-14-5 (OL A) mevious epitions of this form are obsolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIN MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY ST.	ATUTE MILE	5						
FEET	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥1:	≥1.	≥1	≥ .	≥ ,	≥ .	≥5 '6	٠.	≥0
NO CEILING ≥ 20000	31.7 33.7	41.1 45.1	44.9	48.0 52.7	48.4 53.6	48.4 53.6	48.8 54.0	48.8 54.0	48.8 54.0	48.8	48.8 54.0	48.8 54.0	48.8 54.0	48.9	48.9	48.9
≥ 18000 ≥ 16000	34.0 34.0	45.4	49.4	53.0 53.0	53.9 53.9	53.9 53.9	54 • 2 54 • 2	54.2 54.2	54 • 2 54 • 2	54.2 54.2	54.2 54.2	54.2 54.2	54.2 54.2	54.4	54.4 54.4	54.5 54.5
≥ 14000 ≥ 12000	34.5 34.5	45.4 46.1	49.4 57.2		53.9 54.6	53.9 54.6	54.2 55.0	54.2 55.0	54.2 55.0		54 • 2 55 • 3	54.2 55.1	54.2 55.2	54.4. 55.1	54.4 55.1	54.5
≥ 10000 ≥ 9000	35.9 36.0	48.2	52.3 52.9	55.9 56.7	56.8 57.9	56.8 57.9	57.2 58.3	57.2 58.3	57.2 58.3	:	57.3 58.4	57.3. 58.4.	57.3 58.4,	57.4	57.4 58.6,	57.51 56.7
≥ 8000 ≥ 7000	39.2 39.3	52.9 53.6	57.4 58.2	61.3 62.5	62.6	62.6 63.8	63.4 64.5	65.0	63.6 65.0	63.8; 65.1	63.8 65.1	63.9 65.3	63.9	64.0 65.5	64.^ 65.5.	64.1 65.7
≥ 6000 ≥ 5000	39.7 42.5	54.5 57.5	62.2	63.4	64.6	64.6	65.4 68.7	65.9 69.3	69.5	66.0 69.6	66.0 69.6	66.2 69.7.	66.2 69.7,	70.0	66.4 73.2	66.5 76.1
≥ 4500 ± 4000	44.6	61.7	65.8	70.8	72.1 74.9	72. 74.9	73.1 75.9		76.7	74.0	74.0	74.1 76.9	74 - 1 76 - 9,	74.4	74.4 77.2	74.5
2 3500 2 3000	45.4	63.9	72.5	75.2 79.2	76.8 87.9	76.8		83.0		83.3	78.7	83.4	79.8. 83.4	79.1 83.7	79.1 83.7	79.2
2 2500 2 2000	48.3		76.8	81.5 85.3	83.3	83.3	84.3	89.5	85.6 89.6	85.7	85.7	85.8	85.8 89.9	96•1 <u>93•1</u> .	86.1 92.1,	86.2 90.2
≥ 1500 ≥ 1500	49.4 49.8		76 • 8 77 • 7 78 • 5		87.2 89.1	87.2 89.1	90.7	92.0	89.7 92.1 94.0	89.9 92.3	92.3	90.0' 92.4;	90.0	90.2 <u>92.6</u> 94.7	98.2 <u>32.6</u> 9 <b>4.7</b>	92.5
≥ 1000 ≥ 900	51.1 51.1	73.3		88.6 90.0	90.5 92.1 92.4	92.1	94.4	95.9	96.1	96.3	94.3 96.3	96.5 97.7	96.5	96.7	96.7.	c7.3
≥ 800 ≥ 700	51 · 1 51 · 1	73.3	79.	90.5	- 1	92.9		97.3	96.6 97.5 98.1	96.8 97.8 98.5	97.8	98.0	98.0	98.2	98.2.	98.4.
≥ 600	51.1 51.1	73.3	79.0		93.5	93.5		98.2	98.4	98.9	98.9	99.0	99.0	99.2	70.2 70.2	99.4
≥ 400	51.1 51.1	73.3		90.9	93.5	93.5	96.5 96.5	98.4	98.5	99.0	99.1	99.1	99.2	99.5	99.5	99.6 99.9
2 200	51.1 51.1	73.3	79.0	90.9		93.5	96.5		1	99.1	99.1	99.2	99.4	99.6		
2 0	51.1	73.3		90.9					98.5	99.1			99.4	99.6	99.9	<u> </u>

TOTAL NUMBER OF OBSERVATIONS 789

USAF ETAC 1000 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLURAL CLIMATOLOGY BRANCH ISAFETAC ATP WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING	:						VIS	IBILITY ST	ATUTE MIL	ES						
FEET	≥10	26	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥1:	≥1.	≥1	2.	≥ ,	≥ . ,	≥5 16	2 •	20
NO CEILING ≥ 20000	21.4	35.9 36.4	33.3	36.8				39.6 46.3			39.9 46.7			40.1		47.2
≥ 18000	25 • 0 25 • 0	37.0 37.0	39.5 39.5	!	45.4	45.7 45.7				47.4	47.4		47.5 47.5	47.6	47.8 47.8	47.9
≥ 14000 ≥ 12000	25.1 25.4	37.1 37.6	39.7	43.9	45.6	45.8		47.1 47.7				47.6 48.1	47.6	47.8	47.9 48.5	48.1
≥ 10000 ≥ 9000	26.6 26.7	39.2 39.6	41.7	46.2 46.8		48.3	49.9	50.4		50.9	51.0	51.3	50.3 51.1	50.5 51.2	57.6 .51.4.	50.9 51.6
≥ 8000 ≥ 7000	29 <b>.1</b> 29.8	43.1	45.9				55.7		56.6	57.0	55.5 57.1	57.1	55.6 57.2	55.7 57.4	55.9 57.5.	55.1 57.7
2 6000 2 5000	30.0 31.5	44.6	57.2	55.6	57.8	58.2	59.5	60.3	60.4	60.9	57.7 60.9	61.0	61.1.	58.0 61.3	58.1 61.4	56.3 61.6
2 4500 2 4000	33.3		55.5	61.7	64.5	64.9	66.4	67.2	67.4	68.0		68.1	68.2	64.6	64 • 8 68 • 5.	65.3 68.7
2 3000	36.6 39.1		62.6	70.3	73.6	74.0	75. Z		76.8	77.5	71.7 77.6,	77.7			78.1.	72.5 . 78.4.
2 2500 2000	40.7	63.4	67.8	77.1	80.9	81.4	83.3	84.5	84.7		85.6.	81.7 85.7,	81.7 . <u>65.8</u> .	82.7 86.0	86.1,	82.3 86.3
2 1500	41.7 42.4 42.8	63.6	69.8	80.4		85.1	87.2	88.5	88.6	89.5	86.1	89.7.	89.8	86.5 90.0	96.6 95.1	90.3
2 1000	43.1 43.1	65.8 66.3	70.6 71.2 71.3	83.5	88.1	88.8		93.1	93.3	94.4	91.9 94.4 94.9	94.6	94.6	94.9	95.0	95.3 95.7
≥ 800 700	43.1	66.4	71.3	84.1	88.9	89.6 90.0	92.5	94.3	94.5	95.7		95.9	96.0.	96.3	96.4.	96.7
2 600	43.1	66.4	71.3	84.4			93.2	95.2	95.4	96.8	96.9 97.2	97.1	97.3.	97.6	97.7.	98.1
2 400 €	43.1	66.4	,	84.5	89.5		93.4	95.5	95.7	97.3		97.8	98.0.	98.4	98.5	98.9. 99.1
200	43.1	66.4	71.4	84.5	89.5	90.3	93.5		95.8	97.5	97.6. 97.6	98.0	98.3.	98.7		99.5
2 9			1					1			97.7					

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_635n

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI⊇ WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

1 6870 GRAFENHOHR AAF DL

73-81 Yes

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY ST	ATUTE MILI	ES.						
FEET	≥10	≥ 6	≥ 5	≥4	≥ 3	≥2.	≥ 2	≥1:	≥1.	≥1	≥ 4	≥ '•	≥ .	≥ 5 16	≥.	≥ō
NO CEILING ≥ 20000	3-1 • <b>2</b> 32 • 0	44.9	44.1	49.6 55.2		50.5 56.1		52.9 58.6				53.7 59.5	53.9 59.6	55.5 63.7	5 <b>5.</b> 4	56.2
≥ 18000 ≥ 16000	32 • 3 32 • 3	45.3			56.7 56.7	56.9 56.9	58.2 58.2	59.4 59.4	59.4 59.4	60.1 60.1	60.1 60.1	60.2 60.2	60.3 60.3	61.5	61.8	62.7
≥ 14000 ≥ 12000	32.3 33.0	45.3 46.0			56.7 57.7	56.9 57.9	58.2 59.2	59.4 60.3	59.4 60.3	60.1 61.1	60.1	61.2	60.3	61.5	61.8 62.8	62.7
≥ 10000 ≥ 9000	34.3	47.5 48.5			- 1	59.7 61.0	61.2 62.5	62.3	62.3	63.1 64.3	63.1 64.3	64.5	63.3	64.5	64.8	65.7
≥ 8000 ≥ 7000	38 • 2 39 • 3	53.1 54.5	57.4 59.2		66.0 68.2	66.1 68.3	67.6 69.8	68.7 70.9	68.7 70.9	69.5 71.7	69.5 71.7	69.6	69.8	73.9	71.3 73.5	72.2
≥ 6000 ≥ 5000	39.8 47.3	57.0	62.5	70.8	69.1	69.2 72.1	70 • 7 73 • 6		71.8 74.7	72.6 75.4	72.6 75.4	72.7 75.6	72.9 75.8	74.1 76.9	74.4	75.3 78.2
≥ 4500 ≥ 4000	43.5	59.1	65.1	74.4	73.1 75.7	73.3	74 • 9 78 • 3	76.1 79.4	76.1 79.4	80.2	76.8 80.2	76.9 80.3	77.3 80.7	73.4 81.8	78.8 82.2	79.7 83.0
≥ 3500 ≥ 3000	41.8	61.7	68.2	75.7 78.2	77.1 79.7	77.3	79.7 82.5	83.7	80.8	81.7	81.7	81.8	82.2	83.3 86.5	83.7 86.9	84.5
≥ 2500 ≥ 2000 ≥ 1800	43.4	62.2 62.8	69.3	79.4 80.3	81.2	81.4	84.0 85.4	86.5	85.4 86.8	86.5	86.5 87.9	88.0	87.0	89.7	88.7 . 7 <u>. 7</u> .	89.5 90.9
2 1560	43.3	63.7	70.8	82.3	82.8	83.2	86.0 87.9	89.2	87.4	88.5 90.8	90.8	90.9	91.3	92.5	92.9,	91.5 93.8
≥ 1000 ≥ 900	44.9	64.8 65.3	72.9 72.9	85.3	86.5 87.7	86.9 88.0	90.3	91.5 92.8	91.8 93.0	93.1 94.4 94.6	93.1 94.4 94.6	93.3	94.9		95.3. 96.5.	97.4
2 800 2 700	44.9	65.3 65.3	72.9 72.9	85.5	87.9 87.9	88.3	91.5 91.8 91.8	93.0 93.3 93.6	93.5	94.9	94.9	94.8 95.0 95.4	95.1 95.4 95.8	96.6		97.6, <u>97.9</u>
≥ 600 ≥ 500	44.9	65.3 65.3	72.9	85.8	88.5	88.9	92.4 92.4	94.3	94.5	95.9 96.0	95.9	96.1	96.4	97.6	98.2	
≥ 400 ≥ 300	44.9	65.5	73.1	86.0	88.9	89.3	92.8		95.0	96.4	96.4	96.5	96.9		98.1 98.5 98.6	
≥ 200 ≥ 130	44.9	65.5		86.0	88.9	89.3	92.8 92.6	94.9		96.5	96.5	96.6	97.C		98.6	99.9
≥ 0	45.0		73.2							- 1		96.8		98.4		LCO.C.

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLGBAL CLIMATOLOGY BRANCH CHAFETAC AT \*EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

-- <del>130-0500</del>

CEILING							VIS	BILITY STA	ATUTE MILE	is .						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2:	≥ 2	<b>≥</b> ⊺:	≥1.	≥ '	≥ .	₹ •	2	≥5 '6	2 •	≥ :
NO CEILING ≥ 20000	16.1 17.1			_				40.4		-		_	-			46.2 50.7.
≥ 18000 ≥ 16000	17.1	26.0 26.0	<b>-</b>					44.6					46.9		49.3	51.2 51.2
≥ 14000 ≥ 12000	17.1	26.0 26.1			39.8			44.8	- 1		46.1		-	48.4	49.3	51.4 51.7
≥ 10000 ≥ 9000	19.2	29.3	34.6	41.7	44.3	44.7	46.9	49.6 51.0		-	51.1	-	52.1	53.6	54.4	56.8 58.1
≥ 8000 ≥ 7000	21.9	34.9	41.3	49.1	51.7	52.1	54.8	57.8 59.4	57.9	59.4	59.6	60.2		62.3		
≥ 6000 ≥ 5000	23.3	36.6	43.3	51.8	54.4	54.8	57.6	60.7 64.7	60.8	62.4	62.7	63.3	63.8	65.5	66.4	68.7
≥ 4500 ≥ 4000		39.8	47.2	57.3	67.2	63.5	63.4	66.6 70.3	66.7	68.6	68.8	69.5	70.0	71.7	72.5	74.9
≥ 3500 ≥ 1000	25.7	42.0	49.6	61.1	64.3	64.8	68.3	71.4 74.6	71 . 6	73.6	74.0	74.6	75.1	76.5	77.7	
≥ 2500 ≥ 2000	27.7	44.8		65.6	69.0	69.5	72.9	76.6 77.8	76.7	75.8	79.2	79.8	80.3		82.9	85.2
- 1800 - 1500	27.7	45.2	53.2	66.7	79.6	71.1	74.8	78.4 80.4	78.6	83.7	81.0	81.7	82.1		34.7	87.1
2 -200 2 -000		46.3	54.9	69.3	73.2	73.6	78.3	82.1 83.7	82.4	84.7	85.1	85.8	86.3		88.9	91.3
> 900 ≥ 800	29.7	46.9	55.5	77.6	74.9	75.6	80.7	84.6	85.0	87.3	87.7	88.4	88.9	90.6	91.5	93.8
≥ 700 ≥ 600	28.7 28.7		55.5		75.6	76.4	81.4	85.6	86.C	88.4		89.5	90.0	91.7	92.6	
: 500 : 400	28 • 7 28 • 7	46.9	55.7		76.0		82.1	96.6	86.9		89.8	93.5	91.7		93.6	96.1
: 300 : 200	28.7	46.9	55.7	71.4	76.0	76.8	82.3	86.9	87.4	90.3	90.6	91.4	91.9	93.7	94.6	97.7
. → J6 - 30	28.7	46.9	55.7	71.4		76.8	82.3	86.9	87.4	90.3	90.6	91.4	92.3	93.8	95.0	99.4

USAF ETAC 10.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

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The same of the sa

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

STATION GRAFENWOHR AAF DL

73-81

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2600-0800

CEHING							viS	IBILITY ST	ATUTE MILE	ES.						
I FEET	≥10	≥6	≥ 5	≥4	≥ 3	≥2:	≥ 2	≥	≥1.	<u>&gt;</u> :	2 •	2 +	2	<b>₫</b> 5 e	2.	2€
NO CEILING ≥ 20000	15.3 16.8	21.3 26.0	23.9	29.5 34.9				36.7 43.4	37.0 43.7	37.4 44.1	.8.3 44.9	38.7 45.7	38.9 46.3	39.4	47.5	41.1 46.5
≥ 18000 ≥ 16000	17.2 17.2	26.5 26.5	29.4	36.2 36.2		41.1	43.7 43.7	44.9	45.1 45.1	45.7 45.7	46.5 45.5	47.3	47.6 47.6	48.7 2.84	49.3	50.4 50.4
≥ 14000 ≥ 12000	17.2 17.2	26.5 26.5			47.4	41.1	43.7	44.9	45.1 45.2	45.7	40.5	47.3	47.6 47.7	48.0	49.3	50.4 50.5
≥ 10000 ≥ 9000	18.4	23.8 29.1	32.4 32.8	39.6 40.0		"-8 45-1			48.9	49.6 50.2	50.4 51.0	51.3 52.0	51.6 52.2	92.1 52.7	53.3 53.9	54.4 55.1
≥ 9000 ≥ 7000	20.9 21.3	33.7 34.3	38.4		51.1 52.3	51.8 53.0	55.0 56.3		56.7 58.0	57.7 59.4	58.4. 60.1.	59.4	59.8 61.5	60.4 62.1	61.6	62.7
≥ 6000 ≥ 5000	21.8 22.5	35.0 37.0		48.7 51.0			57.2 59.5		58.9	62.6	61.9	62.0	62.3	62.9	66.5	65.2
2 4500 2 4000	22.7 23.8	37.4 39.4	43.0 45.2		56.8	57.7	61.0	62.8	63.0		65.2	66.3	66.7 70.6	67.3	68.5	69.6
2 3500 2 3000	24 • 8 25 • 2		47.1 48.5		1	1	66.6 68.7	,		70.9		72.7	73.0 75.1	73.8	75.3 77.2	76.1 78.3
≥ 2500 ≥ 2000	25.5 25.7		49.4	60.1	i	66.6 68.0			72.9	74.9 76.5		76.7 78.3	77 • 1 78 • 7	77.8	79.1	90.2 81.8
2 1800 2 500	25.9 26.6		50.5 52.2		67.2 70.6	68.2	72.1	74.3 78.3		76.6		78.4	78.8 82.8	79.5	87.9	82.7 86.2
2 200 ≥ 1000	26.8	46.6	53.8 54.6	66.7	72.8	73.8 76.1	79.1	81.7	82.1			85.9	86.2	87.5	88.3	89.4
> 900 ≥ 800	27.2	47.6	54.8	68.9		76.3 77.1	81.8	84.6		87.0	87.7	88.8	89.1 90.2	89.9 91.0	91.2 92.3	92.3
÷ 700 ≥ 600	27.2 27.2	47.6 47.6	54.8 54.8	69.9 70.0		77.7 78.2	83.4 84.3		87.1 88.0	89.4 90.4	90.1	91.2	91.6 92.6	92.3	93.7	95.9
± 500 ± 400	27.2 27.2	47.6	54.8 54.8	70.0 70.0		78.2 78.2				91.1 91.7	91.8 92.4	92.9	93.3 93.9	94.1 94.9	95.5 96.2	96.7 97.6
≥ 300 ≥ 200	27.2 27.2	47.6	54.8 54.8	70.0 70.0		_	84.8 84.8		89.3	91.8 91.8	92.6 92.8	93.7	94.3	95.1 95.6	96.6 97.1	98.3
9 130 2 0	27.2 27.2		54 • 8 54 • 8	70.0 70.0			84.8		89.3	91.8 91.8	92.8			95.6 95.6	97.1 97.2	

USAF ETAC (LL of 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUFAL CLIMATOLOGY BRANCH UP4FETAC ATH WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CENING	•						v1\$	IBILITY STA	ITUTE MILE	S						
· FEET	≥1C	≥ 6	2.5	≥ 4	≥3	≥2:	≥ 2	≥:	≥1.	21	ž 4	<u> </u>	2	≥ 5 ' 8	٠.	· · · · ·
NO CEIUNG ≥ 20000	27.3 31.2	37.5			42.1 48.6	42.1 48.6	_		42.2			42.4	42.4	42.4	42.4	42.4
≥ 18000 ≥ 15000	31.6 31.6	44.3			5°•1		50 • 2 50 • 7	,		50.4	50.4	50.4 50.9	50.4	50.4 50.9	50.4 50.9.	50.4 50.9
≥ 14000 ≥ 12000	31 • ±	45.0				50.8 51.4	50.9 51.5	51.3 51.6	51.7 51.6	51.1 51.7	51.1 51.7	51.1 51.7.	51.1 51.7	51.1 51.7	51.1 51.7.	51 • 1 51 • 7.
2000° ±	33.6	47.2	49.2	54.3	55.0	53.9 55.0	55.1	55.2	54.2 55.2,	54.3 55.4	54.3 55.4	54.3 55.4.	54.3 55.4	54.3 . <del>55.4</del> .	54.3 -5 <b>5.4</b> -	54.3 .5 <b>5.</b> 4.
2 8000 2 7000	36.2 36.3	52.8	55.5	60.4	63.2	61.3	63.5		63.8	63.9,	62.0	62.3 63.9	62.7	62.0 63.9	62.3 63.9.	62. r
2 6000 7 5000	37.1 37.4	54.0 54.8	56.7	63.2		64.6	65.0	65.6	65.6	64.3	64.3 65.7.	64.3	64.3	64.3 . <u>65.7</u> ,	64.3 - <u>65.7</u> -	64 • 3 65 • 7.
4000	38 - 7	57.4	57.8 59.3	66.7	68.2	66.4	68.6		69.2	69.3	67.5 69.3	67.5	67.5	67.5 .69.3	67.5 -69.3.	67.5 69.3
2 4500	41.6 46.1 48.5	66.7		76.9	78.6 82.6	78.6	74.9		79.5	79.7	79.7.		79.7	72.8 . <mark>79.7</mark> ,	19.7.	
800	49.3 50.1		74.2	83.6	85.7		86.2		86.8.	86.9.	83.8 86.9. 88.0	83.9 <u>86.9,</u> 88.0	83.8 86.9 88.7	8 <b>3.8</b> . 86.9. . 88	83•9 86•9 88•?	83.8 86.9 88.7
* 50c	52. <b>3</b>	76.4 77.7	78.6	88.6	90.7	90.7	91.2		91.8	91.9	91.9.	91.9.	91.9 95.3	91.9.	91.9. 95.3	91.9.
	52.7 52.7	78.1 78.1	80.7	92.7	94.8	95.2	95.9	96.6	96.6	96.8	96.8	96.8	96.8	96.8.	96.8.	96.5
2 800 70€	52.7 52.9	78.1 78.2	87.7	93.5	95.8 96.5	96.1	97.0	97.8	97.8	98.0	98.0	98.0.	98.0	98.0.	98.3. 98.3	98.5. 98.5
± 500	52.8 52.8	78.2 78.2			97.1							99.3		99.3	99.3.	99.3 99.5
2 400 2 30:	52.9 52.9	78.2			97.1 97.1	9 . 5 9 . 5		99.5		99.8	99.8	99.8	99.8 99.8	99.8 99.8	99.8	99.2. 99.8
2 20C	52.8 52.8	78.2 78.2		94.0	97.1	97.5		99.5. 99.5	99.5			99.9. 99.9			99.9	99.9
	52.9	78.3	81.7	94.1	97.2	97.6	98.8	99.6	99.6	100.0	LED.C.	100-0	00.0	100.0	لمعمتا	20.2

150(11)

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS 831

GL.FAL CLIMATOLOGY BRANCH JSAFETAC AIH WEATHER SERVICE/MAC

STATEN STATEN STATION NAME

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

73-81

CE 1227-1423

- XAY -

CEILING	•						V-5	B(1)** \$*4	AT LITE MILE	5						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥ ?	≥ 7	2	≥	≥:	₫•	ž ·•	2	25 6	• •	2.
NO CEUNO ± 20000										36.6 43.8						
≥ 18000 ≥ 5000	33.3	43.5	43.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2 45.6	45.2	45.2	45.2	45.2	45.2	45.2
≥ 14000 ≥ 1,000										46.0°						
2 1000€ 2 9000					-					5C.9 51.1						
9 9000 2 7000			- t							56.2 57.3.					_	
2 6000 - 5000	43.2	58.3	59.2	61.3	61.4	61.4	61.6	61.6.	61.6.	58.4 61.6	61.5.	-			58.4 <b>51.6</b> .	56.4 61.6.
* 4500 <u>*</u> 4000	40.3	66.7	68.	70.4	75.9	73.9	71.2	71.2	71.2		71.2.	71.2		71.2	71.2.	71.2
2 3500 2 3000	60.9	87.9	82.4	85.6	86.1	86.1	86.5	86.5	86.5.	77.4 86.5	86.5.	86.5.	86.5	86.5.	56.5.	86.5
2 2500 + 2600 - 800	54.3	87.0	89.1	92.9	93.6	93.6	94.0	94.5.	94.	91.1 94.5	94.	94.	24.2.	94.0		94.2
2 500 20X	55.4	88.9	91.3	95.5	96.3	96.3	96.6	96.6	96.6	94.3 96.6. 98.8	96.6.	96.6	96.6.	96.6.	96.6.	96.6.
2 .000	£5.7	97.5	93.0	97.8	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3.	99.3
≥ 800 ≥ 700	65.9	9 3 . 6	93.1		99.3	99.3	99.6	99.6	99.6	99.6	99.6.	99.6.	99.6.	99.5.	99.46.	99.6
2 500		96			90.6	99.6	100.0	100.00	ioc.cb	100.01	(20.0)	100.0	וםםםו	נםם	100.01	120.2.
≥ 400										.00.01						
2 200 	65.9	97.6	93.1	98.3	99.6	99.6	100.0	100.0	100.00	100.01 100.01	30.0	100.0	100.01	100.01	130.7	00.0
	65.3	93.6	93.1	98.3	99.6	99.6	100.C	100.0	100.05	105.01	00.0	100.01	120.01	100.0	100.01	LDO - 2

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ #29

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GRAFENMONR AAF GERMANY (WEST) REVISED UNIFORM SUMMARY OF SUMFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 SEP 82 USAFETAC/DS-82/062 S81-AD-E880 210 F/G 4/2 AD-A122 717 3/5 UNCLASSIFIED F/G 4/2 . NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS -1963 - A

13

GLOBAL CLIMATOLOGY BRANCH AT WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

STATION STATION NAME

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1530-1700

CEILING							¥15i	BILITY STA	TUTE MILE	<						
1 FEET ;	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.	≥ 7	≥:	≥¹.	≥1	2.	2.	2	≥5:6	2.	≥.
NO (EILING 2 20000	27.6 35.1	35.7	35.9					36.9							36.9	
≥ 18000 ≥ 16000	35.7 35.7	46.8	47.0 47.0	48.0 48.0				48.0					48.D		48.C 48.D	
≥ 14000 ≥ 12000	36.2 37.0	47.5		48.7	- 1			48.7	-		48.7					
≥ 9900 ≥ 9900	39.6 39.9	51.6 52.1	53.0	54.3	54.3	54.3	54.3	53.6 54.3	54.3.	54.3.	54.3	53.5 54.3	53.6 54.3	53.6 54.3.	53.6 54.3.	
≥ 8000 ≥ 7000 ≥ 6000	43.7	59.6		62.5	62.5	62.5	62.5		62.5	62.5,	62.5	62.5	60.2 62.5	62.5.	63.2 62.5	62.5
2 5±00 2 5±00 → 4500	45.4	63.4	64.3	67.3	66.1		66.1		66.1	66.1	63.3 <u>66.1</u> ,	66.1.	63.3 <u>66.1</u>	66.1	66.1.	
4900	47.8 1.1 56.9	64.4 69.2 76.1	77.9	67.4 73.0		73.0	73.D	67.4 73.0 81.3	73.D	73.0	73.0	73.0		67.4 <sup>1</sup> 73.0, 51.3.	67.4 73.0. 81.3	73.2
2 8000	54.7	84.8	87.5	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2.	91.2.	91.2.	91.2.
900	65.4 55.5	89.1	92.0	96.0	96.1	96.1	96.3	96.4	96.3	96.3	96.3.	96.3	96.3.	96.3.	96.4	96.3.
2 1590 2 1200 1	56.5	93.6						98.7						98.7. 99.8	98.7.	
2 1000 2 900 2 800	66.5	97.8	94.6	99.8	99.9	99.9	100.0	100.0  100.0	00.01	00.01	00.0	100.01	0.00	100.0	00.01	00.0
2 700 2 800	66.5	97.8 95.8		99.8	99.9	99.9	170.0	100.01	00.01	20.01	00.0	100.0	0.00	100.07	00.01	00.7
· 500 2 400	66.5	90.8	94.6	99.8	99.9	99.9	100.0	100.0	00.01	00.01	00.0	100.0	۱۵۹۰۵,	.00.0	20.01	00.0
2 300 2 200	66.5	90.8 90.8		99.8 99.8	99.9	99.9	100.0	100.01 100.01	00.0	00.01	00.0	100.0	פ•כסו	100.01	00.01	00.0
	66.5				99.9	99.9	100.0	100.0	00.01	00.03	0.00	100.0	0.00	100.01	30.01	00.0
·	- <del></del>	, , , , <u>, , , , , , , , , , , , , , , </u>	_ /. J # M		7. 5. 71											

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1084 0-14-5 (OL A) MEVIOUS ED IONS OF THIS FORM ARE ORSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION STATION NAME

73-81

- KAY

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u> 1838-5800</u>

CEIUNG			_				VI\$	BILITY ST	ATUTE MIL	E5						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥);	≥1.	≥1	≥ .	≥ .	2	≥5 '6	<u> </u>	≥ (
NO CEILING ≥ 20000	33. 1 42.5			42.0 54.3	42.2 54.4	42.2		42.2		42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 18000 ≥ 16000	43.3					55.9		55.9 55.9		55.9 55.9	55.9	55.9	55.9	55.9	55.9	
≥ 14000 ≥ 12000	43.4 45.0	54.2 56.1	55.7 57.2	56 • 1 58 • 5	-	56.3 58.7	56.3 58.7	56.3	56.3 58.7	56.3 58.7	56.3	56.3	56.3	56.3	56.3	56.3 58.7
≥ 9000 ≥ 9000	48.3 50.5			63.0 65.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.7	
≥ 8000 ≥ 7000	53.4 54.8	66.5	68.5 72.5			71.1 73.0		71.2 73.4		71.2 73.4	71.2	71.2	71.2 73.4	71.2	71.2	71.2
≥ 6000 ≥ 5000	55.6 57.7	:	,		1		74 • 3 77 • 9			74.3	74.3	74.3	74.3	74.3	74.3	74.3
> 4500 = 4000	58.5 61.2	74.1 77.9			,		79 • 8 83 • 7	79.8 83.7	- 1	79.8 83.7	79.8. 83.7	79.8	79.8 83.7	79.8	79.A 83.7	79.8
2 3500 2 3000	∘2•6 ċ5•3	,	83.0 87.4	86 • 0 9∃ • 8	86.3 91.2		86.8 91.8	86.8		86.8	86.8	86.8	86.3	86.8	86.5	96.8
2 7500 2000	65.6 66.5		88.5 90.1	92.3 94.0	92.6 94.4	92.8	93.3 95.2		93.4 95.3		93.4 95.5	93.4	93.4 95.5	93.4	93.4	95.5
	66.3	87.1 87.7	90.6		95.2 96.6			96.1 97.5			96.3 97.8				96.3 97.8.	
2 1200 ≥ 1000	67.4 67.4		91.8 92.3		98.2 98.8	99.3 98.9	99.1 99.8			99.4					99.4	
	67.4 67.4	88.5 88.5	92.3 92.3			98.9 98.9		99.8	99.9	100.0	00.0	100.0	100.0	100.01	10.01	lad.j
≥ 700 ≥ 600	67.4 67.4	88.5 88.5	92.3			98.9	1	99.8		106.0)						
± 500 ≥ 400	67.4	88.5 88.5		98.0	98.8	98.9		99.8	99.9	100.0	00.0	100.3	Lan n	100.0	100.01	00.0
2 300 2 200	67.4	88.5	92.3	98.0		98.9	99.8	99.8	99.9	100.0	00.0	103.0	Lac al	(00.C)	10.01	00.0
· · · · · · · · · · · · · · · · · · ·	67.4	88.5 88.5	92.3					99.8	99.9	100.0	00.0	100.01	00.0	100.01	100.01	100.0

USAF ETAC 1004 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

61:BAL CLIMATOLOGY BRANCH USAFETAC ATM WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5f55-5300

CEILING							V:5	Buitt 51	KTOTE MILI	ES						
FEE?	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2;	≥ 2	≥:	≥1.	۱ ج	2 4	?,	2	25 6		2.
NO €EUNG ≥ 20000	35.4 39.7	47.3	49.7 57.0		53.4	1		54.4 62.4	-		54.8	54.9	54.9	55.	55.7	55.1 63.2
≥ 18000 ≥ 18000	40.d 40.d	54.8		62.3 62.3	62.5 62.5	62.5	63.2 63.2	63.7		63.9 63.9	64.0 64.0	64.2	64.2	64.3	64.3	64.4
≥ 14000 ≥ 12000	47.2	54.9 56.6		62.5	62.8	62.8	<del>.</del>	63.9 65.8		64.2 66.0	64.3 66.1,	64.4	64.4	64.5 66.4	64.5 66.4.	64.6 66.5.
≥ 9000 ≥ 9000	42.9	58.5 60.2	63.9	68.6	63.9		69.6	68.4 70.1	70.1	75.3	68 • 7 70 • 5		72.6	69.7 72.7	69.C 72.7.	69.1 76.A.
\$ 8000 \$ 7000 \$ 6000	46.4	65.8	69.6	75.2	75.4	75.4	76.5		77.1	77.4	77.5.	75.8 <u>77.6,</u>	75.9 -77.6	75.9 . <u>77.9</u> ,	75.9 -77.8.	76.3 77.9.
5000 4500	47.8 49.8 50.3	66.3 69.2	73.7	79.2	79.5	79.5	80.6		81.3		78.0 81.7. 83.4	78.1 81 83.6	78.1 81.8 83.6	82.5 83.7	78.2 <u>AZ.C</u> .	78.4 82.1. 93.8
: 400k	51.7 52.7	72.3	77.4 79.5	83.1	83.3	83.3	84.8		85.7	85.9		86.2. 87.4	86.2	85.7 87.5	36.3. 17.5	86.4. 87.6
2 1000 2 100	54.3	76.4 76.4	81.5 82.0	87.5	87.9	87.9	89.4	90.2 91.5	90.2	90.6	90.7.	9C.9.	92.9	91.0,	91.D. 92.3	91.1.
2000 2 800	5.5	77.8	82.8	89.7	90.4	90.4	92.3	93.2	93.2	93.7	93.8.	93.9.	93.9	94.1.	94.1.	94.2.
2 15X	. 5 <b>5.6</b> 56.กี	77.9	84.8	91 <u>.5</u> 93.0			95.8	94.9	96.7		95.6.	95.7. 97.4		.95.8. 97.5	95.8. 97.5	
2 000 900 2 800	56.7	78.6 78.6	84.9			94.7	97.		97.9	98.4	98.5	98.4	98.6	98.5. 98.8		
2 700	56.0	78.6 78.6	84.9		95.1	95.1	97.5	98.3 98.4	98.4	98.9	99.0		99.1		99.3	99.4
± 500 ± 400	56.1 56.1	78.7	85.0	94.6	95.4		97.9	98.8	98.8		99.4	99.5	99.5		99.6	99.3
± 300 ± 200	. 55.1 56.1 56.1	79.0 79.0	85.3	94.8 94.8	95.7	95.7 95.7	98.1	99.0	99.0	99.5	99.6	99.8 99.8	99.8	99.9		00.0
- 130 1 2	56.1	79.0	85.3			95.7	98.1	99.0 99.0	99.0	99.5		99.8 99.8	99.8	99.9	99.9	70.3

USAF ETAC (100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL(BAL CLIMATOLOGY BRANCH USAFETAC AIN WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 6870 GRAFENWOHR AAF DL

73-81 YEARS

<del>- \*\*\*\*</del> -

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

....ALL.

CEILING							V(S	BILLITY ST	ATUTE MILI	£5						
) FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥111	≥1.	≥1	≥ .	2 1	2	≥ 5 : 6	2.4	20
NO CEIDNG ≥ 20000	26.6 30.9	35.2 41.3	37.1	40.3	41.2 48.7	41.4	42.1 49.6	42.7 50.3	42.7 50.4	43.1	43.2 50.8	43.4	43.4	43.5	44.1	44.5
≥ 18000 ≥ 15000	31.4 31.4	42.6	44.7	48.7	49.8	49.9	50.8	51.5	51.5	51.6	52.0 52.1	52.2		52.7 52.8	53.0	53.5
≥ 14000 ≥ 12000	!	42.9	45.1		50.1 51.3		51.1 52.2		51.9 53.0		52.3 53.5	52.5	52.6 53.7	53.0 54.1	53.3	53.6 55.0
± 10000 ≥ 9000		47.4			54.6 55.7		55.6 56.8	56.3 57.5		56.7 57.9	-	57.1 58.3	57.2 58.4	57.6 58.8	57.9 59.1	58.4 59.6
2 8000 2 7000	38.4	52.0 53.2	56.5	61.8	63.1	63.2		65.2	65.3	65.8			64.4	64.8	65.1 67.3	65.7
2 6000 2 5000	40.3	56.4	60.0	65 . 5	66.8	67.0	65.3 68.2	69.1	69.1	69.6	66.8	70.3	67.1 73.1	67.6 73.6		68.4 71.4
3 4500 2 4000	42.9		64.4	70.7	72.2	72.4	69.9 73.8	74.8	74.9	75.5		71.8 75.9	71.9 76.3	72.4	72.7 76.8	73.2 77.3
2 1000 2 1000	48.2	67.7	72.1	79.1	80.8	81.0	77.2 82.5	83.6			79.1 84.5	79.3 84.7		79.9. 85.3.	87.2	80.8 26.2
2500	49.3	7 3 . 6		83.1	85.0	85.2	85.0 87.0	88.0		88.9	87.0 89.0	89.2		89.9		88.8 90.7.
2 500	50.6	70.9		85.7	87.7	88.0		91.0	91.1	91.9	92.5	92.3	92.4	92.9.	93.2.	93.8
2 1000 2 1000	51.2		78.6		90.6	92.9	92.0 93.1	94.3	94.4	94.1 95.2	95.4	95.6	95.8		96.6.	
2 900 2 800 2 700	51.2 51.2	73.4		88.8	91.1	91.4	93.3	95.0	95.1	95.9	96.1	96.4	96.5	96.5 <u>97.C</u> ,	97.3	97.9.
≥ 700 ≥ 600 - 500	51.3 51.3		79.7 78.7	89.0		91.9	94.3	95.7	95.9	96.7		97.1	97.3		98.1	98.7
2 400	51.3			89.1	91.7	92.0	94.5	96.1	96.3	97.2	97.3	97.6	97.8	98.2	98.6	99.2
= 200 x	51.3	73.5	78.8	89.1	91.7	92.3	94.6 94.6	96.1	96.3	97.3	97.4	97.7	97.9	98.4	98.8	99.6
L= 3	51.3						94.6									99.9 00.7

USAF ETAC (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH SAFETAC AL HEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

GRAFENHOHR AAF DE

73-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY STA	ATUTE MILI	ES						
I FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2:	≥ 7	<b>≥</b> 1 :	≥1.	≥1	≥ •	≥ .	≥ .	≥5 16	2.	<b>≥</b> 0
NO CEIUNG ≥ 20000	28 <b>.9</b>	41.1	44.1	49.3	50.8 54.8			52.5 56.9	52.7 57.0			53.° 58.3	53.9	54.8 59.1	55.7	55.5
≥ 18000	31.6 31.6	44.6	47.6 47.6		55.3 55.4	55.4 55.5	57•1 57•3	57.4 57.5	57.5 57.6	58.4 58.5	58.6 58.8	58.9 58.9	58.8 58.9	59.6 59.8	59.9 60.7	50.4 60.5
≥ 14000 ≥ 12000	31.6 31.7	44.6	47.6 48.1	53.8 54.5		55.5 56.3	57.3 58.0	57.5 58.3	57.6 58.4	58 • 5 59 • 3	58 • 8 59 • 5	58.9 59.6	58.9	59.8 60.5	60.0 60.7	60.5
≥ 9000	33.4 34.0	47.5 48.1	50.7 51.3	57.3 58.1	58.9 59.8	59.3 59.9	60.7	61.0	61.1 62.0	62.0 62.9	62.2 63.1	62.4	62.4	63.4	63.6	64.1
≥ 8000 ≥ 7000	36 • 3 37 • 1	50.6 51.4			1	64.5	66.3	66.6 69.1	66.7 69.2	67.6	67.8	68.0 70.6	68.0	68.9	69.2 71.8	69.7 72.3
≥ 6000 ≥ 5000	37.5 39.3	51.9 54.4		65 · 3			69.4 72.7	69.9 73.2	70.1 73.3	71.1 74.4	71.3 74.7	71.4	71.4 74.8	72.4 75.8	72.7 76.3	73.2 76.5.
2 4500 2 4000	40.7	56.6 58.6	61.5	1		73.2 76.3		76.5 79.6	76.6 79.8		78.3 81.4	78.4 81.5	78.4 81.5	79.4 82.5	79.6 A2.7	8C • 1
2 3500 2 3000	43.2 43.6	60.2 60.7			i <b>I</b>		81.5	82.1 85.0		83.7 86.7	84.C	84.1	84.1 87.1	65.1 88.1	85.3 88.3	85.3 88.8
≥ 2500 ≥ 2000	44.1 45.0	61.6	66.7	79.4		82.6	85.7	86.6 89.7	86.7	88.3	88.6	88.7 91.8	88.7	89.7		98.4
. ≥ 1800 ≥ 1500	45.0	62.9 63.0	68.2		84.1	84.8	88.7	89.7		91.4	91.7	91.8	91.8	92.8	93.	93.5
≥ 1200 ≥ 1000	45.1 45.1	63.2		82.6	86.0	86.8	91.1	92.0	92.3	93.9	1	94.3	94.3	95.3		
≥ 900 ≥ 800	45.1 45.1	63.2				87.5	92.0	93.0 93.8		94.9		95.3	95.3	96.3		97.0
2 700 ≥ 600	45.1	63.4					93.3		94.9	96.5				97.9		98.6
± 500 ≥ 400	45.3	63.6			88.1	88.9				96.8	97.0 97.1	97.1	97.1	98.1	98.4	98.9
2 300 2 200	45.5	63.7	69.1		88.2			95.0	95.3		97.1	97.3	97.3	98.4	_	
; :30 ; : v	45.5 45.5		69.1		88.2	89.1		95.0		96.9	97.1		97.3		98.8	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC 2004 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

SLIGAL CLIMATOLOGY BRANCH USAFETAC ATA WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 6870 GRAFENHOHR AAF DL

73-81

- ffir

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		_					VIS	SIBILITY ST.	ATUTE MIL	ES						•
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2;	≥ 2	≥ ' :	≥1.	≥1	2 4	≥ .	≥ :	. ≥ 5 :6	2.	2€
NO CEILING ≥ 20000	12.4 13.7		24 • 2 26 • 5		31.0 33.9	31.8 34.6		36.0 39.4		38.4 42.0		38.9 42.5	39.1 42.6	41.4	41.9	43.3
≥ 18000 ≥ 16000	13.8 13.8					34.9 34.9		39.8 39.8	40.3 40.3	42.4	42.8 42.8	42.9 42.9	43.0 43.0	45.5 45.5	45.9	47.5 47.5
≥ 14000 ≥ 12000	13.8 13.8		26.7 26.8		34.4 34.6	35.1 35.4		40.0	40.5 40.9	42.6 43.0	43.0	43.1	43.3	45.7	46.1 46.5	47.7
≥ 10000 ≥ 9000	14.6 14.8		27.6 28.4	34.7 36.2		37.2 38.7		1		44.9	45.2 46.7	45.4	45.5 47.3	48.1 49.6	48.5 49.9	50.1 51.5
≥ 8000 ≥ 7000	16.8 17.7	25.8 27.2			42.5 46.0		51.8	! ` _ :	50.1 54.0		52.9 57.1	53.0 57.4	53.4 57.7	56 • 1 60 • 6	56.5 67.9	58.2 .62.1.
≥ 6000 ≥ 5000	18.2 19.3	27.7 29.2			49.8	47.6 50.6		57.6	58.6	61.6	58.0 61.9	58.2 62.2	58.6 62.5	61.4 65.5	61.9 66.7	63.7 67.7
2 4500 2 4000	21.1	31.5	42.2	54.0	57.4	54.3 58.2	64.9	66.6		71.2	67.0 71.6	67.2 71.8	67.6 72.2	70.6 75.2	71.2 75.8	72.9 . 11.5.
2 3500 2 3006	24.1 25.1	35.2 36.8	45.5	58.5	59.5 62.8	63.9	71.3		74.0	73.8	78.4	74.5	74.9 79.3	77.9 82.5	78•5 <u>82•6</u>	80.2 84.4
2500 2000	25.7 26.3	38.3	46.6	61.3	65.9	65.3 67.0	72.4	76.3	17.5	82.0	82.4	80.5 82.7	80.8 83.1	83.6	34.4	86.3
2 1800 2 1500	26.3	38.9	47.8	62.5	67.5	65.6		76.8	79.6		83.1	83.3	85.7	86.7	87.3 89.1	89.1 91.7
≥ 1200 ≥ 1000 > 900	26.9	39.2	49.1	63.9	69.8	70.0 71.0 71.1	79.0	81.0		87.4	88.1	87.3	87.6	90.6 91.8	91.2 92.5	94.3
≥ 800	26.9 26.9	39.3	49.1 49.4	64.4	77.6	71.7	79.1 80.3	82.3	82.8 33.8 84.2	87.9 89.0 89.5	88.6 89.7 90.2	90.1	89.4 90.5	92.3 93.4 93.9	94.1	94.8. 95.9 96.4
2 500	26.9	39.4	49.8	64.9	71.2	72.3	87.7	83.2	84.7	90.0	90.7	91.2	91.6	94.6	95.2	97.5
2 400 2 300	26.9	39.4	49.8	64.9	71.2	72.3		83.4			91.0	91.6	92.0	95.2	95.8	97.7
≥ 200 X	26.9	39.4	49.8	64.9	71.2	72.3	80.7		84.9	90.2	91.0 91.0	91.6	92.7	95.2	96.4	99.1
	26.9			64.9	,	72.3			84.9	90.2			92.0			100.2

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_ & C

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLORAL CLIMATOLOGY BRANCH CAFETAC AI WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

GRAFENHOHP AAF DL

73-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							v+5	BILITY STA	ATUTE MILE	S						
1 5667	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ 7	≥1:	≥1.	≥1	<u>.</u>	3 1	2	≥ 5 ' 6	· ·	*.
NO CEIUNG ≥ 20000	11.1	17.3	19.8	30.0	35.0	35.2 38.7	37.3	38.3		39.4		39.8	39.9	40.4	47.7	41.3
≥ 18000 ≥ 16000	12.7	19.4	22.2	33.1 33.1	38.6	38.8	40.9	42.0	42.3	43.1	43.4	43.5	43.6	44.3	44.6	45.5
≥ 14000 ≥ 12000	12.7 12.9	19.5	22.4	33.7 34.5	39.2 39.9	39.4	41.5	42.6	42.9	43.8	44.0	44.1	44.3 45.0.	44.9	45.2 46.1.	46.1
≥ 8000 ≥ 10000c	13.7	21.4	24.4	36.2 37.0	41.8	42.2 43.0	44.5	45.6	45.9	46.7	47.0	47.1	47.2	48.1	48.5	49.3 53.3
≥ 8000 2 7000	16.8	25.7		42.5	49.1 51.5	49.4 51.9		54.0 57.1	54 • 3 57 • 4	55.1 58.2	55 • 5: 58 • 6;	55.6 58.8	55.7	56.6 59.8,	57.0 60.2.	57.8 61.1.
≥ 6000 ≥ 5000	18.4 2J.5	27.7 30.4	37.9			52.7 57.6	56.5 61.8	58.2 63.7	58.6 64.0	59.6 65.0	60.0 65.4	60.2 65.8.	67.4 66.1.	61.3	61.7 67.7.	62.5 68.6.
≥ 4500 ≥ 4000	21.3	32.1	36.8	52.0 53.6	59.6 61.2	63.1 61.8	64 • 6 66 • 5	68.5	67.0	76.1	68 • 5 <sub>1</sub>	68.9. 70.8	69.2 71.2	70.5	70.8 72.8.	71 • 7 73 • 7
2 3500 2 3006 2 2500	23.7	35.1 36.1	39.9	56.0	63.5	64.3	69.1 71.6	71.3	74.4	72.9	76.D	73.7. <del>76.4</del>	74.0 76.8.	75.3 78.0,	75.6 78.4.	76.5 79.2.
2000	25.3 25.6 25.6	37.3 38.1 38.1	41.5 42.3	60.3	68.2 69.8	69.0 70.6	74.0	79.0	77.0	81.1	78.9 81.5.	79.2 81.8,	79.5 82.2	83.8 .83.4.	83.8.	84.7
2 1500	25.8	38.9	43.4	63.5	70.3 71.8 74.5	71.1 72.6 75.3	76.5 78.6 82.3	81.6	80.0 82.2 86.0	81.8	82.2 84.5 88.8	92.6 84.9 89.2	82.9 85.3	84.2 <u>86.5</u> 90.9	86.9.	95.4 87.8. 92.1
2 1000 7 900	26.5	40.7	45.6	67.1	76.5	77.3	84.7 85.2	88.8	88.9	91.8	91.8	92.3	92.7	93.9.	94.3.	95.2 95.7
≥ 800 ≥ 700	26.6	43.7	45.9	67.5	77.D	77.8 78.1	85.7 86.3	89.2 90.0	89.9 90.7	92.3	92.A.	93.3	93.7	94.9	95.3	96.2
≥ 600	26.7 26.8	40.9	46.4	68.1	77.9	78.6 78.7	87.1 87.3	91.1	91.8 92.0	94.7	95.2	95.7	96.0	97.3.		98.5
2 300	26.8 26.8	40.9	46.5	68.1 68.1	78.0	78.7 78.7	87.4 87.4	91.3 91.3	92.1 92.1	94.9	95.4	96.2 96.2	96.5		98.3 98.3	
2 200	26.8 26.8	40.9 40.9	46.5	68.1 68.1	78.D	78.7 78.7	87.4	91.3 91.3		95.1 95.1	95.6. 95.6	96.3 96.3	96.7 96.7	98.1 98.1	98.6	99.8. 99.9
2 0	26.8	47.9	46.5	68.1	78.0	78.7	87.4	91.3	92.1	95.1	95.6	96.3	96.7.	98.1.	98.81	00 <u>.c</u>

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1004 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							Vi5	BILITY ST	ATUTE MILI	E.S.						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥ ?	≥1:	≥¹.	≥1	٤.	<i>2</i> •	2 .	≥ 5 : 6	· ·	<b>≥</b> €
NO CEILING 20000	24.8 29.2	35.2 41.0	36.°	37.7	38.1	38.1	38.1	38.1	,	38.1		38+1	38.1	38.1	38.1	38.1
≥ 18000	29.4	41.3	42.0	44.3		44.7	44.7	44.7				44.7	44.7	44.7	44.7	44.7
≥ 14000 ≥ 12000	29.5 29.7	41.5	42.3	44.5		45.C	45.0	45.6			45.0	45.0 45.6	45.0	45.C	45.0	45.0
≥ 10000 ≥ 9000	31.3	44.3		47.7	48.2	48.2	48.2	48.2	48.2 49.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 8000 ≥ 2000	36.2 37.6	50.8	52.4	56.1 58.2	56.9 59.1	56.9 59.1		57.0 59.2	57.0	57.0			57.0	57.0 59.2	57.0 59.2	57.0 59.2
2 6000 2 5000	37.6 40.5	52.4 57.0		58.7 63.7	59.6 64.5			59.7	59.7	59.7		59.7	59.7	59.7	59.7	59.7
4500 4000	42.7 44.1	59.1 62.4	61.1	65.9 70.0	66.9 71.2	66.9	67.0 71.4	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.C	67.3
2 3500 2 000	46.5	65.6	68.7 73.4	73.5 79.5	74.9 81.1	75.0 81.2	75.2 81.3	75.2 81.3	75.2 81.3	75.2 81.3	75.2 81.3	75.2 81.3	75.2. 81.3	75.2 81.3	75.2 61.3	75.2
≥ 2500 ≥ 2000	51.5 52.8	73.7 77.0	76.1 79.7	82.9 87.9	84.8	84.9 90.0	85.2 90.4	85.2 90.4	85.2	85.2 90.4	85.2 90.4	85.2	85 • 2 90 • 4	85.2 90.4	85.2 90.4	95.2
± 1800 ≥ 1500	53.0 54.4	77.6 79.5	80.3 82.2	88.5 90.7	1		91.3 94.2	91.3 94.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200 ≥ 1000	55.7 55.1	87.8	83.4 83.8	92.7 93.6	1	95.8 97.0	96.3 97.8	96.3 97.8	96.4	96.4	96.4 97.9	96.4	96.4	96.4		96.4
> 900 ≥ 800	5 <b>5.3</b>	81.1	84.1	94.1	97.4 97.5	97.5 97.7	98 • 3 98 • 4	98.3 98.4	98.4 98.5	98.4 98.5	98.4 98.5	98.4	98.4 98.5	98.4 98.5	98.4 98.5	98.4 98.5
≥ 700 ≥ 600	5 <b>5.3</b>	81.2	84.2	94.2	97.9	98.1	99.3	99.3 99.8	99.4	99.4	99.4	99.4	99.4	99.4		99.4
≥ 500 ≥ 400	5 <b>5.4</b>	81.2	84.3	94.3	97.9		99.8		99.9	99.9	99.9	99.9	99.9	99.9	99.9	
2 300 2 200	55.4	81.2	84.3		97.9		99.8	99.8	100.0	100.0	00.0	100.0	00.0	00.0	00.0	100.0
· x	55.4 55.4	81.2	84.3	94.3			99.8	- 1	100.0							

USAF ETAC ...... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH USAFFTAC A15 WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

STATENHOHR AAF DL

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

1233-1400

CEILING							V:5	BILITY STA	ITUTE MIL	E5						
! FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.	≥ ?	≥1:	≥1.	≥1	2.	≥ .	2	25 6	· ·	2.
NO CEILING 2 20000	26.3	34.1 39.8	34.6	34.9	34.9 40.7	34.9	34.9	34.9	,	34.9		34.9	34.9	34.9 40.7	34.9	34.9
≥ 18000 ≥ 16000	31.6 31.5	43.4		41.5	41.5	41.5	41.5	41.5	41.5	41.5 41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 14000 ≥ 12000	31.6 32.5	43.4	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 10000 ≥ 9000	34.9 35.8	44.1	45.1 46.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 8000 ≥ 7000	41.7	51.5 54.1	52.8 55.5	53.0 56.0	53.0 56.0	53.0 56.0	53.0 56.0	/	53.°	2200		53.0 56.0	53.0 56.0	53.3	53.r 56.0.	53.3 56.3
≥ 6000 ≥ 5000	43.4	55.1		57.1 62.7	57.1 62.7	57.1 62.7	57.1 62.7			57.1 62.7	57.1 62.7	57.1 62.7.	57.1 62.7	57.1 62.7	57.1 62.7.	57.1 62.7.
≥ 4500 ≥ 4000	50 • 1 54 • 5	64.5 73.8	1		66.6	66.6	66.6 73.4		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.5
2 3500 2 3006	58•2 6 <b>5</b> •1	75.8	77.4 86.7	79.1 88.8	79.2 88.9	79.2 88.9		79.2	79.2 88.9	1	79.2 88.9	79.2 88.9	79.2 88.9	79.2 88.9.	79.2 88.9	79.2 58.9.
≥ 7500 ≥ 2000	66.7 68.5	87.5 90.5	[	92.2 95.8	92.3	92.3 95.9	92.3 96.0	92.3	5 ? • 3 96 • D	92.3 96.0	92.3	92.3 96.0	92.3 96.7	92.3 96.0.	92.3 95.3.	92.3 96.3
≥ 1800	68.9 69.1	90.9	93.2 93.9	96.2 97.2	96.3 97.5	96.3 97.5	96.4 97.7	96.4 97.7	96.4	96.4 97.7	96.4	96.4 97.7	96.4	96.4 97.7.	96.4 97.7.	96.4
≥ 1200 ≥ 1000	69.3 69.3	91.8 91.8	94.3	97.9 98.3	98.3 99.0	98.3 99.1	98.4	98.4	98.4	99.3	99.3	98.4	98.4	98.4	98.4 99.3.	98.4
2 900 2 800	69.3	92.0	94.6	98.4 98.5	99.1 99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.4	99.5.	99.5	99.4
≥ 700 ≥ 600	69.3	92.0	94.6	98.5	99.3	99.4		100.0		100-0		ום בים סו		100.0	100.01	
÷ 500 ≥ 400	69.3 69.3	92.0 92.0	94.6	98.5	99.4	99.5	99.8	ביםרו	100.0	100.0	וח. ממו	ב. במו	00.0	00.0		30.3.
2 300	69.3	92.0 92.0	94.6	98.5	99.4	99.5 99.5	99.8	100.0	LOC.C	100.0	100.0	ום ממו	00.0	100.0		00.0
) 2 0	69• <u>3</u>	92.0	- 1		99.4										100.01	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ ADS

USAF ETAC 101.64 0-14-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRIPE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 8877 GRAFENWOHR AAF DL

73-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15-2-1700

CEILING							VIS	IBILITY ST	ATUTE MIL	£5						
FEE†	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥1:	≥1.	≥1	≥ .	≥ .	≥ ·	≥5 '6	2.	
NO CEILING ≥ 20000	28.9	36.5	37.c				37.0	37.0	37.0	37.0		37.7	37."	37.0	37.7	37. 45.
≥ 18000	36 • 2 36 • 2	46.0				46.7	46.7	46.7		46.7	46.7	46.7	46.7			46.
≥ !4006 ≥ :2000	36.7	46.5		47.2		47.2		47.2		47.2		47.2	47.2		47.2	47.
≥ 10000 ≥ 9000	40.4	50.7		51.4	51.4			51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.
≥ 8000 ≥ 7000	46.2	58.1 61.2		59.1 62.3	59.1 62.3	59.1	59.1 62.3	59.1	-			59.1	59.1	59.1	59.1	59.
≥ 6000 ≥ 5000	49.1 52.6	61.9	62.7		63.0	63.0						63.0	63.7	63.7	03.0	63.
≥ 4500 ≥ 4000	55.7	71.0	72.1	72.3	72.3		72.3				_ <del> </del>	72.3	72.3	72.3	72.3	72.
≥ 3500 ≥ 3000	65.3	83.3		85.6		85.7	85.7		85.7 92.6	85.7		85.7			85.7	85
≥ 2500 ≥ 2000	72.7	92.6	94.6		95.8	95.8	95.B					95.8	95.8	95.8	95.8 97.5	95. 97.
≥ 1800 ≥ 1500	74.0	94.7	96.7	97.8	97.9		97.9		97.9	97.9	97.9	97.9	97.9 98.5		97.9 98.5.	97
≥ 1200 ≥ 1000	74.4	95.6	97.5	98.6		98.8	98.8		98.8 99.1	98.8					98.8	
≥ 900 ≥ 800	74.6	95.7	97.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4		99.4	99.4	99.4	
≥ 700 ≥ 600	74.6	95.7	97.7	99.G	99.8	99.8		100.0	100.0	100.0	100.0	100.0	00.0	100.0	00.0	-
≥ 500 ≥ 400	74.6		97.7	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	00.0	100.0	00.0	00
≥ 300 ≥ 200	74.4	95.7		99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	00.0	100.0	00.0 00.0	CO.
> 10C	74.6	95.7	97.7	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	00.0	00.0	(0.0)	00.
<del></del>	14.0	43.1	7/0/	77.0	77.8	77.B	1 00.0	100.0	100.0	00.0	100.0	100.0	00.0	00.0	00.0	70

USAF ETAC SOLA 0-14-5 (OL A) MEMOUS ENTITIONS OF THIS FORM ARE ORDINETE

SLEFAL CLIMATOLOGY BRANCH OFFETAC AT REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

GRAFENHOHR AAF DL

73-81 ANT ANT

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1838-3000

CENING	•						V151	BILLITY STA	NTUTE MILE	5						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥ 1	≥1.	≥1	2 .	٤,	•	25 '5	2.	2.
NO CEIUNG 2 20000	34 • 9 42 • 5	42.3			43.2							43.2	43.2	43.2 53.6	43.2 53.5.	43.7 53.6
≥ 18000 ≥ 16000	44.2	53.6 53.7	54.6		55.4	55.4	55 . 4		55.4	55.4	55.4	55.4 55.6	55.4 55.6	55.4 55.6		55.4 55.6
≥ 14600 ≥ 12000	44.3	53.7 54.8	54.7	55.6 56.8							55•6 56•8,	55.5 56.8	-	55.6 56.8	55.6 56.8.	55.6 .56.3.
≥ 10000 ≥ 9000	48.0 48.6	59.4	62.7	60.2 61.7	61.7	61.7	61.9	61.9	61.9	61.9	60.2 61.9	61.9.	61.9	61.9		61.9
2 8000 2 7000 2 6000	53.5 25.2	67.9	70.0	71.5	71.7	71.7	71.9	71.9	71.9	71.9		71.9.	69.4 71.9	71.9	69.4 71.9.	
5000 5000	56.4 <u>60.0</u> 63.3	73.7	71 • 2 75 • 8 80 • 4	77.5	77.8	77.8	77.9		78.C	78.0	73.1 78.3 82.7			73.1 78.5 82.7	73.1 78.2 62.7	73.1 78.0 82.7
± 400c	03 • 3 0 • 4 6 • 8	81.9	84.7	86.9	87.2 97.1	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	27.4	90.5	87.4
2 1000 2 7000	72.5	37.7		92.8	93.2	93.2	93.5	93.5	93.6	93.6	93.6. 96.2	93.6	93.6	93.6	. <del>3.6</del> .	93.6.
2000 800	73.0	90.4	93.7		96.7	96.7	97.0	97.2	97.3	97.4	97.4.	97.4	97.4	97.4	97.4.	
2 50L	73.2 73.3				97.7 98.0			98.6	98.8	99.0	99.0				99.0	
≥ 1000 ≥ 900 ≥ 800	73.3	91.1 91.1			98.4		99.C	99.1		99.5	99.5					
2 700 2 600	73.3	91.1 91.1	94.6		98.6	98.4 98.6	99.5	99.6	99.8	100.0			100.0		. <u>99.5.</u> 100.01	
. 500 2 400	73.3 73.3	91.1 91.1		97.5	98.6	98.6	99.5	99.6	99.8	170.0	100.0	100.0	160.0	100.0	100.0	100.0
± 30€ ± 20€	73.3	91.1	94.6	97.5	98.6	98.6	99.5	99.6	99.8	100.0	100.0	100.0	100.0	2.00.0	100.01	00.0
- J.			94.6				79.5	99.6							100.01 130.01	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC 100 of 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLYEAL CLIMATOLOGY BRANCH USAFETAC AT REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS

21,-2-2301

rea No							¥-Sil	B 5"/	ATUTE MIN	1.						
1651	≥ ¹0	≥ 6	≥ 5	24	٤ ٦	≥2.	27	2	2	•			:	25 0	· .	
NO CERNO 20000		45.2					51.9 58.2				52.1 58.5.	52.1 58.5.	_		52.4	52.4
3 18000 2 15000		5 3 • 6 5 3 • 6			57.8 57.8					59.5 59.5				63.5 63.E	67.7 62.2.	60.7 60.0.
2 14080 2 000										59.5 65.9.	-	59.8 61.1.				60.3 61.4.
2 10000 2 9000 	44.2	56.6	59.7.	63.9	64.6	64.9.	66.1.	66.2	66.2	65.3 66.5	66.7.	65.7.	65.8.		57.2.	
2 8600 2 7,000	43.5	62.9	67.3	72.5	73.3	73.5	75.0	75.1.	75.1.	73.1 75.4	75.6.	75.6.	75.7.	75.9.	75.9.	75.9
≥ 6000 ≥ 5000 ± 4500	52.6		72.	77.6	73.3	78.6		80.2	50.3.	3C.6.	80.8	76.2 3C.3.	35.9.	76.5 Elal.	76.5 21.1.	76.5 £1.1.
2 3500	55 - 3 56 - 4	71.5	76.1	80.9 83.5 85.3	84.7	84.9	93.8 <u>86.4</u> 88.4	97.6	87.1	87.4.		87.6.	85.1 87.7.	B7.9.	\$7.9.	£7.7.
2 000 2 3500	57.7	74.3	79.3	87.6	83.7	89.J.	97.7	91.3	91.7.		92.2.	92.2.	92.3.	92.5.	22.5. 93.7	°2.5.
± 2005	59.4	75.6	87.8	89.5	93.6	91.0	93.6.	94.3.	94.7.	95.3. 95.4	95.3.	95.3.	95.4.	95.5.	¥5.5.	95.5.
2 7500	59.7	76.5	81.7	90.6	91.8	92.2	95.0,	95.8	96.2.	96.5. 97.3	96.4.	96.3.	96.9.	97.	97.5.	97.2.
900	59.7 59.7	76.6	81.9	91.0	92.6	92.9	96.3	97.0	97.4	97.8. 97.8	98.1	98.1	98.4	98.5	98.5	98.5
2 800 2 700 2 600	59.0	76.6	81.9	91.1	93.4	93.8	97.5	98.4	98.8	98.4	99.6	99.6	99.91	100.01	10.00	00.0
500 3 400	59.0	76.6	81.9	91.1	97.4	93.8	97.5	98.4	98.8	99.3	99.6	99.6	99.9	100.6	00.01	00.0
2 300 2 200		76.6	81.9	91.1	93.4	93.8	97.5	98.4	98.8	99.3	99.6	99.6	99.9	120.01		0.00.0 0.00.0
x		76.6	81.9	91.1	93.4	93.8	97.5	98.4	98.8	99.3	99.6	99.6	99.9	00.7		00.0
								<u> </u>			.,,,,,			XXXX		

USAF ETAC ...... 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH CAFETAC ATE WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

STATES GRAFENHOHO AAF DL

73-a1

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEUNG	<del></del>	,··					V15	BILITY STA	TUTE MILE	. 5						
' FEET !	≥10	≥6	≥ 5	≥ 4	23	≥2.	≥ 2	<b>≥</b> i -	21.	21	<u> </u>		2	≥5 6	2 .	ž:
NO CEIUNG 20000	25.5 29.4	33.8 33.9		39 . D		40.3	41.2	41.5 47.6	41.6 47.7			42.2 48.3	42.3	42.8	42.9	43.2
≥ 18000 ≥ 16000	30.0 30.0	39.6	- 1	45.5 45.6		46.9	48.1	48.4	48.5	49.0 49.0	49.1 49.1	49.2	49.2	49.7	49.3 49.9	53.2 52.2
≥ '4000 ≥ 10000	37.1 37.5	39.7 43.4	42.6	46.6		47.1 47.9	49.1	49.4	48.7	50.0	49.3 50.1	49.4 50.2	50.2	49.9 50.8,	53 <b>.1</b> 53 <b>.9</b> ,	50.4 51.3
≥ 9000 ≥ 9000 ≥ 9000	32.5 33.2	43.0 43.9	46.4	5C - 7	52.0	50.9 52.2	53.4	52.4	52.5 53.8	54.3	54.5	53.2 54.5	53.2 54.6,	53.8 .55.1.	53.9 . <u>5<b>5.3</b>.</u>	54.3
≥ 8000 ≥ 7000 ≥ 6000	36.9	48.7 50.5	53.7	59.2	60.8	61.7	62.5	,	60.3	63.7	63.9.	64.3	61.1 64.2	61.7 64.64	61.8 64.8 65.7	65.2.
5000 2 4500	38.7 41.4 43.6	51.1 55.0 57.7	58.4		66.1	61.8 66.3 69.7	68.0		68.7	69.4		69.6	65.7 69.7 73.6	65.6 70.4; 74.3		56.1 74.5
± 4000 ± 3500	46.1	61.2	64.8	71.8	73.8	74.0 77.5	76.0	,	76.8	77.6	77.8	77.9. 81.6	78.0 81.7	78.7	78.8.	79.2
2 +000 2 2500	52.1	67.7	71.5	79.4	81.7	82.1	84.2		85.2	86.1	86.2	86.3	86.4	87.1. 89.7	87.3	87.7
2 2600	52.9 53.1	77.9		84.2		86.7 87.1		90.0 90.4	90.3		91.5	91.6	91.7	92.4	93.5	93.4
2 1200	53.5 53.7	71.8	76.2 76.8			89.5	92.4	93.2		94.8		93.6. 95.1	93.7 95.2	95.9	96.0	96.4
≥ 1000 2 900 2 800	53.7 53.9	72.5	77.0	96.6 86.7	90.0	90.5	93.6	94.5	94.9	95.8	96.4		96.6	97.C		97.5
≥ 700 ≥ 600	53.9 53.9	72.5 72.5	77.1	86.9 87.0 87.1	90.6		94.5	95.5	95.3 95.9 96.3	97.2	96.8 97.5 97.8		97.7	97.7 98.4 98.7		98.9 98.9
± 500 ≥ 400	53.9	72.6	77.3	87.1 87.1		91.3	94.8		96.3 96.3		97.9	98.0	99.1	98.9		99.4
2 300 2 200	53.9 53.9	72.6 72.6		87.1 87.1	93.5	91.3	94.8	95.9	96.4	97.7		98.1	98.2 98.2	99.0	99.1 99.2	
- X	53.9 53.9	72.6		87.1 87.1		91.3		95.9			97.9 97.9		98.2 98.2	99.0		99.8 100.2

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

GLEBAL CLIMATOLOGY BRANCH USAFETAC AIA WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEIUNG				,			VIS	IBILITY ST.	ATUTE MIL	<b>E</b> 5						
FEET	≥10	≥ 6	≥ 5	≥4	≥ 3	≥2:	≥ 7	≥ı:	≥1.	۱≤	≥.	≥`ı	≥ .	. ≥5 16	2 .	≥0
NO CEILING ≥ 20000	2^•1 21•6		-					47.7 51.8	47.7 51.€		_	48.9 53.J	48.9 53.3	48.9 53.C	48.9 53.0	48.9 53.2
≥ 18000 ≥ 16000	21.6 21.6	33.7 33.7	38.2 38.2	47.7 47.7	49.2 49.2	49.2	51.4 51.4	51.8 51.8	51.8 51.8	53.0 53.0	53.0 53.0	53.0 53.0	53.0 53.0	53.0 <sup>1</sup>	53.0 53.0	53.0 53.0
≥ 14000 ≥ 12000	21.6	33.7 34.1	38.2 38.6	47.7	49.2 49.8	49.2 49.8	51.4 52.3	51.8 52.4	51.8 52.4	53.0 53.6	53.0 53.6	53.0	53.0 53.6	53.0 53.6	53.0 53.6	53.6
≥ 10000 ≥ 9000	24.5 25.1	38.1 39.0		52.3 53.4	54.3 55.4	54.3 55.4	56.7 57.8	57•1 58•2	57.1 58.2	58 • 3 59 • 4	58.3 59.4	58.3 59.4	58.3 59.4	58.3 .59.4	58.3 59.4.	58.3 59.4
≥ 8000 ≥ 7000	28.2 30.2	43.5			61.1 64.6	61.1 64.6	64.0	64.7 68.3	64.7 68.3	65.9 69.5	65.9	65.9 69.5	66.0	66.0 69.6	66.0 69.6.	0.66
≥ 6000 ≥ 506J	30.5	46.1 51.6	50.8 56.9	,		65.1 71.4	68 • 1 74 • 5	68 • 8 75 • 2	68.8 75.2	70.0 76.4	70.0 76.4	70.0	70.1 76.5	70•1 76•5	70.1 76.6.	70.1 76.6
≥ 4500 ≥ 4000	35.7 36.6	54.1 55.4	61.2	74.8	74 • 8 77 • 8	74.8 77.8	78.1 81.4	78.8 82.2	78.8 82.2	60.3 83.4	83.4	80.0	83.5	80.1 83.5	63.4 83.7.	83.7
≥ 3500 ≥ 3000	37.5 39.3	56.4 58.8	65.7	80.5	83.7	79.5 83.7	88.1	89.2	84.5 89.2	90.4	85.7 90.4	85.7 90.4	85.8 90.5	85.8 90.5	86.0 90.7.	96.0
≥ 2500 ≥ 2000	39.5 +0.0	59.2 60.0	67.0		87.0	85.3 87.0	91.8	92.9	92.9	92.2	94.1	92.2	92.3	92.3 94.2	92.5 <u>94.5</u> ,	92.5 94.5
2 1500	40.2	60.2 60.8	67.8	85.5	89.2	87.5 89.2	94.1	93.5 95.5	93.5 95.5	94.7 96.7	94.7 96.7	94.7 96.7	96.9	94.8	95.1 97.1	97.1.
≥ 1200 ≥ 1000	40.6	61.1	68.1	86.1 86.1	89.8 89.8			96.4	96.4	97.6 97.6	97.6	97.6 97.6		97.7	98.0 98.1	98.3
2 800	40.6	61.1	68.1	86.4	90.1	90.2	95.7	97.2	96.9 97.3	98.1	98.7	98.1	98.8	98.8	69.0	
2 700 2 600	40.6	61.1	69.1	86.5	90.1	90.4	95.8	97.3	97.5	98.7	99.0	98.7		99.2	99.4	99.4
≥ 500 ≥ 400	40.6	61.1	68.1	86.5 86.5	90.1	90.4	_	97.5	97.6		99.2	99.2	99.2 99.3	99.3	99.4 99.5	99.4
≥ 300	40.6 40.6	61.1	68.1 68.1	86.5	90.1		95.8		97.8		99.4	99.4	99.5	99.5	99.9	00.0
2 0	40.6		68.1	86.5		90.4	(		97.8	99.2	99.4	99.4		1		00.0

USAF ETAC FORM 0-14-5 (OL.A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

SLUBAL CLIMATOLOGY BRANCH JOSEPHAC AI: WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION	GRAFENMOHR AAF DL		73-81	AL YRIG	<del></del>	
		PERCENTAGE FR	REQUENCY OF			<u> </u>

CEILING	•						VIS	BILITY STA	ITUTE MILE	15						•
FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥1:	≥1.	≥ 1	≥ .	2 +	<u> </u>	≥ 5 ' 8	٠.	≥、
NO CEIUNG ≥ 20000	9.1 9.6	14.7 15.4	18.5 19.9		26.0 28.5			31.2 34.3	31.3	34 · 2 37 · 5	35.^ 38.4.	35.6 39.0	36.9	37.9	39.4	38.7
≥ 18000 ≥ 18000	9.6 9.6	15.4				29.1 29.1	32 • 7 32 • 7	34.4	34.7	37.7 37.7	38.5 38.5	39.1	40.6 40.6	41.6 41.6	42.1 42.1.	42.5
≥ 14000 ≥ 12000	9•6 9•9	15.4 15.8	19.9		28.6 29.5	29.1 33.1	32.7 33.7	34.4 35.4	34.7 35.6		38.5	39.1	40.6	41.6	42.1 43.1.	42.5
≥ 19000 ≥ 9900	12.4 13.4	13.9	24 • 3 25 • 8	32.0 33.8	34.4	35.1 37.1		40.8	41.7 43.1	44.0	44.9	45.5 47.7.	46.9	48.1 50.3	40.6 53.E.	49.° 51.1
≥ 8000 ≥ 7000	15.6 17.0	24.4	32.1	39.2 41.9		43.2	50.9	54.0	51.4	54.3 57.9	55.7 <u>58.8</u> ,	56.4 59.6.	57.9 61.3	59•1 62•3	59.6 62.9.	59.7 53.4.
2 6000 2 5000	17.0 19.4	25.9 33.3	37.2	42 • 1 48 • 3	45.5 51.7	46.2 52.5	_58.1	61.3	54.8 61.6	58.2 65.3	59.2 66.3	59.9 67.2	61.4 69.7	62.7	63.3 72.9.	63.8 71.4.
2 4500 2 4000 2 3500	23.3 21.1	32.5	47.6	53.8	58.0	55.8 58.7	61.6	67.7	65 • 1 68 • 1	68.8 71.8	69.8. 72.8.	73.5.	72.4 75.5	73.8 <u>-77.8</u> .	74.4 77.6.	74.8 76.1
≥ 3000	21.9 23.1	36.5	44.5	58.6	63.7	67.0	70.9		74.5	73.6	79.4.	75.3 83.1,	77.3 82.1,	83.6.	34.2.	79.9 84.7.
2000	23.1	36.9 37.5	45.7 45.6	60.3	66.9	66.3 67.7	74.7	78.2	76 • 7 78 • 6;	82.6.	81.6	82.3	84 • 2 86 • 2	85.8 87.7.	86.4 88.3.	38.3
2 1500	23.6 23.7 23.9	37.8 38.3 38.6	46.5	61.9 63.2 64.4	69.0	68.1 69.8 71.2	75.1 <u>76.9</u> 78.7		78.9 81.2	82.9 85.4.	83.9	84.6 <u>87.2</u> ,	86.5 89.2,	98.1 92.7.	89.7 91.3.	89.2 91.8.
2 1000	23.9	38.7 38.7	47.4	65.7	71.7		80.1	84.2	84.6	87.5 89.0	88.4 90.0	89.3 90.9. 91.2	91.2 <u>92.8,</u> 93.1	92.9 <u>94.3</u> 94.7	93.4 <u>94.9.</u> 95.3	93.9 <u>95.4</u> 95.8
2 890	23.9	38.9	47.5	66.1 66.2	72.4	73.3	81.3	85.8		90.6	91.6. 91.8	92.4. 92.7	94.3.	95.9. 96.1	96.5.	97.0.
2 500	23.9	38.9	47.5	,	72.6	73.4	81.8	86.5	86.9		92.4	93.1. 93.4	95.1	96.6. 96.9	97.2.	97.7
2 400	23.9	38.9	47.5		72.6	73.4	82.1	86.8	87.1 87.2	91.9	92.9	93.9. 94.1	95.8	97.4.	98.C.	98.4
= 200 - 30	23.9	38.9	47.5	66.2	72.6	73.4		86.8	87.2	92.2	93.1. 93.1	94.1	96.7	97.8. 97.8	98.6. 98.8	99.5
<u> </u>	23.9	38.9	47.5	-1		73.4	82.1	- i	87.2	92.2.	93.1.	94.1	96.2	97.8.	98.91	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILNO

CEILNO

CRAFENWOHR AAF DL 73-81

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILNO							v·\$4	1810"+ S'A	IT TE MILE	: S			_			
· FEE.	≥10	≥ 6	≥ 5	24	≥3	22	27	2	2 .	21	2 •	≥ ,	2	≥5 %	۶.	20
NO CENNO ≥ 20000	9.5			23.6				29.1								
≥ 18000 ≥ 16000	9.5	14.4	16.8	23.6	27.1	27.6	30.2	32.5	33.0	35.0	35.4			36.8	37.5	38.7
≥ 14000 ⊇ 12000	9.6 9.7	14.6		23.9	27.4			32.9 33.7					35.3 37.7	37.2 38.0	37.9 38.7.	38.4
≥ 10000 ≥ 9000	11.1 11.5	16.8 17.7	19.5	27.9 29.5	32.5 34.2	33.3 34.7.		38.7			41.5	42.1	43.7	43.3	44.0	44.5
≥ 8000 ≥ 7000	15.4 16.7		26.2 27.8			44.4	48.3	47.9 51.0	51.6	54.2	54.5.	54.9.	55.7	53.2 56.1		54.4 57.5.
≥ 6000 ≥ 5000		27.4	31.3		50.2	50.7	55.0	52.1 57.8	58.5	61.0	61.4		56.8 62.6	57.4 63.2	58•1 <u>63•9</u> ,	
2 4500 2 4000	18.9	29.7		48.3	55.5	50.1,	62.9	60.4 64.0	64.9	67.6	68.1	68.6.		70.0.		71.2.
2 3500 2 1000	22.1	33.4 32.6	37.2	52.5	61.7	61.6	66.8	65.6 70.4	71.2	74.5	75.0	75.7.	76.5	71.8.	78.0.	78.5
2 2500 2 2000	24.2	33.1 35.0	40.1	57.0	66.1	67.0	72.6	72.4 76.5	77.5	86.7	81 2,	77.7 81.9	82.8	79.3 83.5	£4.2,	84.7
2 1800 ≥ 1500	24.4	35.7	41.6	50.9	69.2	70.2	76.1	77.6 80.4	81.3	84.7	85.2		83.9 86.8	67.5	55.3 38.2,	88.7
≥ 1206 ≥ 1000	24.7 24.7	37.2	43.3	63,4	73.4	74.5	80.7		86.5	90.0	93.5	91.2		92.8	91.3 .93.5.	94.
2 900 2 800 2 700		37.1 37.2		64.6	73.9 75.0 75.1	76.1	83.2	86.6 88.1 88.4	89.2	92.7	93.1.	93.9	94.7	95.4.	94.7 <u>96.1</u> .	96.6
≥ 500	24.8	37.2		64.6	75.2		84.0	89.D	90.1	93.6	94.1	94.8	95.7	96.4		97.6.
≥ 400	24.8	37.2		64.6	75.3		84.4	89.4	97.5	94.2	94.7	95.7	96.5	97.2	98.1	96.5
200	24.8	37.2	43.6	64.6	75.3	76.5	84.5	89.5	90.6	94.5	94.9	95.9	96.8	97,7	98.8	99.6
								89.5								

USAF ETAC 200 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLIRAL CLIMATOLOGY PRANCH AT "EATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

STATES STATES STATES THE STATES T PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-81

CEILING							viSiE	BILITY STA	TUTE MILE	5						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥1 :	≥1,	≥ 1	2.	٠.	≥	≥ 5 '6		?.
NO CERING 1: 20000	17.8 20.3	27.8			33.2 37.1		33.2		33.6		33.5	33.6	33.5	33.5	33.6	33.£
≥ 18000 ≥ 15000	ر د در <u>.</u> 20 ع	31.J	32.7 32.7	37.2 37.2	37.5 37.5	37.5 37.5			37.9	37.9 37.9	37.9	37.9 37.9	37.9	37.9	-	37.9 37.9
≥ 14000 ≥ 12000	20.9 20.1	31.5	33.2	37 • 7 39 • 2		39.6	38.0 39.6	38.4 40.0	39.4 40.C		38 - 4 4C - C	38.4	38.4 4C.D.	38.4	38.4 40.0.	38.4
≥ 10000 ≥ 9000	23.4 24.9	35.4 36.6	37.1 38.3	42.4 43.7	42.7 44.0	42.7	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 8000 ≥ 7000	29.5 30.3	43.1	45.0	50.9	54.0	51.5 54.0	54.3	54.6	54.6		51.9 54.6.	51.9 54.6	51.9 .54.6	51.9 54.6.	51.9 54.6.	54.6.
2 6000 2 5000	31.3 33.9	45.8	48.3 <u>51.3</u>	54.3 58.2	59.□	59.0	59.2	59.6	55.5	59.6	55.5 59.6.	55.5 59.6	55.5 59.6	55.5 59.6.	55.5 59.6.	55.5 59.6
2 4500 2 4000 2 3500	34.7 36.1	50.8 52.7	53.1 55.1	63.5	64.9	6 • 3	65.6	65.9	61.9	65.9.	61.9 65.9.	61.0	61.7	61.9 <u>65.</u> 2.	61.9 65.9.	65.9.
2 3000 > 2500	38 • 4 42 • 9	55.5 61.7	65.7	67.1 75.1	68.2 76.7	76.9	69.1 77.6	78.2	78.2	69•4 78•2	69.4 <u>78.2,</u>	69.4 78.2	78.2	69.4 78.2.	59.4 78.2.	78.2
2000	44.2 46.2	67.3 67.9	67.3 71.2 71.8	34.1	79.5 86.6 87.4	87.3	87.7 88.6	88.3	81.2 88.4	81.5 88.7 89.8	81.5 <u>88.7.</u> 89.8	81.5 <u>88.7</u> 89.8	81.5 88.7	81•5 <u>88•7</u> ,	31.5 88.7,	88.7.
2 1500	47.2 47.8	70.5 71.2		89.4	92.1	92.5	93.4	94.3	94.5	94.9. 97.0	94.9.	89.8 94.9 97.7	89.8 94.9 97.1	89.8 94.9.	89•8 <del>94•9</del> , 97•0	94.9
2 1000	48.1	71.8	76.8 76.8	92.8	95.5	96.0	97.0	98.0	98.1		98.6	98.6	98.6	98.6.		98.6.
2 800	48.1	72.0	76.9	93.4	96.3	96.8	97.8	98.8	98.9	99.4	99.4	99.4	99.4	99.4.	99.4.	99.4.
2 600	48.4	72.2	77.1	93.9	96.9		98.4	99.4	99.5	00-01	on o	100.0	100.0	100.03	<u> </u>	00.0
± 400°	48.4	72.2	77.1	93.9				99.4	99.5	00.01	20.0	100.0	00.0	00.0	20.0	00.0.
÷ = 200 =	48.4	72.2	77.1 77.1		96.9		98.4 98.4							100.01		
	49.4	72.2	77.1	93.9	96.9	97.4	98.4	99.4	99.5	لأممم	00.0.	ום ברחו	100.0	Lon-ci	20.01	2.00

USAF ETAC 1.164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL(BAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

15°5-1403

CEILING	•						VI5	ABILITY ST	ATUTE MILE	E S			_			
FEET	≥10 l	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥:	≥1.	≥ 1	2 4	≥ .	2	≥ 5 16		2.
NO CEILING ≥ 20000	2′ • 5 24 • 5		30.5 35.5		30.5 35.7	-			30.5 35.7			30.5 35.7		37.5 35.7.	37.5 35.7.	
≥ 18000 ≥ 18000		35.3 35.3			35 · 8	35.8		35.8 35.8		35.8 35.8		35.8		35.8 35.8.	35.8 35.8.	
≥ 14000 ≥ 12000	24.7 26.0				35.9 37.3			35.9 37.3	35.9 37.3					35.9 37.3.	35.9 37.3.	
≥ 1/0000 ≥ 9000	29.9	40.6	42.5	42.7	42.7	42.7	42.7	41.2	42.8	42.8	42.8	42.8.	42.8	41.3	41.7	41.3
2 *000 2 *000	35.1	47.1	51.2	52.2	52.2		52.2	52.2	52.3	52.3	52.3	52.3	48.9 52.3	48.9 52.3	48.9 52.3.	48.9 52.I
2 6000 2 5000 3 4500	39.9		51.8 56.9	58.1	58.1	58.1	58.1		52.9 58.2	58.2	58.2	52.9 58.2 61.7	52.9 58.2 61.7	52.9 <u>58.2</u> 61.7	52.9 <u>58.2.</u> 61.7	52.9 53.2.
2 3500	47.3	64.8 71.6	. 5.6	68.8	68.8	68.8	68.9		69	69.0	69.0	69.D.	69.2	69.C.	69.0.	69.E. 76.6
2 1000	59.2	79.6	82.4	- :	85.7	85.7	85.9	85.9	86.0	86.0	86.7	86.3	86.0	86.0	86.2.	86.3.
2000		83.6	86.7	91.7	92.0	92.0	92.3	92.7	92.9	92.9	92.9.	92.9.	92.9	92.9.	92.9.	92.9. 93.9
2 100		85.1			95.8 96.6			96.7				97.8			97.E.	
≥ 1000 ≥ 900 ≥ 800	62.9		89.7	97.0	97.7	97.7	98.2	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
≥ 800° ≥ 700 ≥ 600°	63.7	85.7	89.3	97.6	98.4	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9		99.9
± 500 ≥ 400		85.7 85.7 85.7	89.3	97.7	98.6	98.6	99.7	99.8 99.8	100.0	100.0	100.0	100.0	100.0	100.01	30.01	00.0
2 30x 2 200	63.0 63.1	85.7	89.3	97.7	98.6	98.6	99.0	99.8	100.0	100.0	100.0	100.0	מ.סטו	100.0	120.0	00.0
30		85.7	89.3	97.7	95.6	98.6	99.0	99.8	100.0	100.0	100.C	100.3	100.7	100.0	100.0	0.00

USAF ETAC ...... 0-14-5 (OL A) REVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLIBAL CLIMATOLOGY BRANCH ISTEETAC ATH LEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

GRAFEN HOMP AAF DE

73-81

153<u>C-1703</u>

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CELNG							VIS	SIBILITY ST	ATUTE MILI	ES						
*EE.	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥!:	≥1.	≥1	2 4	≥ •	2	≥5 6	2.	20
NO FERING ± 20000	22 • 6 27 • 7		32.3								32.5 39.2				32.5	
≥ 18000 ≥ 6000	27.8 27.9		39.1 39.2								39.4 39.5				39.4 39.5.	• • •
≥ :4060 ± ,300	28.7 28.8				39.6			39.6	- 1		39 • 6 40 • 3,	39.6			39.6 40.3.	39.0
2 10000 2 9000	33.9	46.8	47.3	47.8	47.8	47.8	47.8	47.8	47.8	47.8	46.2 47.8	47.8	47.8	47.5.	47.B.	47.8.
2 8000 2 7000 2 6000	42.7	57.8	58.6	59.9	59.8	59.9	59.9	60.0	60.E	60.2		60.0.	60.3	.a.ca	AD.D.	ر د ملاع
. 500c	49.6	65.7	66.9	68.4	63.4	68.4	68.5	68.7	68.7	68.7	60.6 68.7. 73.0	68.7.	68.7	. 68.7.	5B.7.	68.7.
, 4000	58.5	76.3	78.1	83.4	85.4	8:1.4	87.5	80.7	80.7	80.7	83.7. 85.0	80.7	8E.7	82.7.	82.7.	8ú - 7.
2 3000 2 2500											91.7. 94.1					
2000 2 800 2 1500		86.9	97.3	95.1	95.3	95.4	95.5	95.8	95.8	95.8	95.7 95.8	95.8	95.8	95.8	95.9	95.5
2 200 ≥ 1200	67.1	68.1	91.8	97.5	98.2	98.3	98.7	98.9	98.9	98.9	97.6 98.9 100.0	98.9	98.9	98.9	99.9	98.9
90K	67.1	88.1	91.8	98.3	99.2	99.3	99.6	170.0	100.0	100.0	100.0	100.0	0.00	100.0	נס.פעו	00.0
: 700 : 600				98.3	99.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	00.0	100.0	100.01	00.0
: 50L : 40G	67.1 67.1	88.1 88.1	91.8 91.8	98.3	99.2	99.3	99.6	120.0	100.0	100.0	100.0 106.0	100-0	00.0	100-0	100.01	30.0.
± 300 ± 200	67.1	98.1	91.8	98.3	99.2	99.3	99.6	100.0	102.0	100.0	100.0; 160.0,	100.0	0.00	100.0	נפיכטו	20.1
· 130	_		,	,			•	1 1	- 1		190.6 100.ci			1		

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_\_AT1

USAF ETAC Stor 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL(RAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

1838-5522 --- <del>"firi" -</del> -

CEILING							viS	. <b>IB</b> ![:"▼ 51.	ATUTE MIL	15						
FEE?	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥:	≥1.	≥1	2 .	2 1	<u> </u>	≥5 8	•••	2.
NO CEILING ≥ 20000	31.3 36.5		43.3 50.4		44.1 51.3	44.1 51.3	44.1 51.3	44.1 51.3	44.1 51.3	44.1 51.3	44.1 51.3	44.1 51.3	44.1 51.3	44.1 51.3	44.1 51.3.	44.1 51.3
≥ 18000 ≥ 16000	36.7 36.7	49.9		51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5
≥ 14000 ≥ 12000	36.8 37.2			51.6 52.1	51.6 52.1	51.6 52.	51.6 52.1	51.6 52.1	51.6 52.1	51.6 52.1	51.6 52.1.	51.6 52.1.	51.6 52.1	51.6 52.1	51.6 52.1.	51.6 52.1
2 1000€ 2 9000 3	40.7 41.7				56.9 58.1	56.9 58.1	57.1 58.3	57.2 58.4	57.2 58.4	57.2 58.4	57.2 58.4	57.2 58.4	57.2 58.4	57.2 58.4	57.2 58.4.	57.2 58.4
≥ 8000 ≥ 7000	47.3 49.1	63.3 65.9		65.9 69.0	66.0 69.1	69.1	69.5	69.7	66.6	66.6	66.6	66.6	66.5	66.6	66.4 59.7.	56.6 69.7
≥ 6000 ≥ 5000	57.1 54.1	66.8 71.7	73.3	75.6	75.8	70.4 75.8	76.2	76.6	76.6	76.6	71.2 <u>76.6</u> .	71.2 76.6.	71.2 76.6	71•2 <u>76•6</u> .	71•2 <u>76•5</u> .	71.2 76.6.
2 4000	56.1 52.9	74.1	87.1	33.1	83.2	79.1 83.5	34.0		84.3	84.3	84.3	90.3 84.3	80.0 84.3	92.7 <u>84.3</u> ,	30.0 <u>84.3</u> .	83.7 84.3
2 3500 2 3006	67.9 63.7	84.0	86.9	91.7	92.0		93.1		93.5	93.5	93.5	93.5	87.6 <u>93.5</u>	27.6 93.5	57.6 <u>23.5</u> .	97.6 93.5.
2 2500 2 2000	64.7	85.4	88.7	94.3	94.7	94.9	95.9		96.3	96.3	96.3	95.3 96.3	96.3	96.3	95•3 - <mark>96•3</mark> ,	95.3 <u>36.3</u>
2 500	64.7	86.1	89.5	95.5	96.0	95.1 96.3	91.2		96.4	97.9	97.9	96.4 97.9		96.4 97.9.	97.9.	96.4
2 1000	65.3 65.3	86.1 86.2	89.6	96.7	97.3		98.6		99.5	1		98.3 99.5	98.3 99.5	99.5.	98.3 -29.5. 99.6	98.3 99.5 99.6
≥ 80K   ≥ 700	65.3	86.2	89.6	96.7	97.7	97.9	98.9	170.0	100.0	100.0	100.0	נכ ספו	120.0	100.0	נם.כם:	lea.s.
2 500	65.3	86.2	89.6	96.7	97.7	97.9	98.9	100.0	100.0	100.0	130.C	<u>.co.c</u>	150.0	100.0	100.0	100.2
≥ 400	65.3	86.2	89.6		97.7	97.9 97.9	98.9	100.0	100.0	106.0	100.0	100.0	00.0	100.0	100.0	0.0
2 200	65.3	86.2		96.7	97.7	,	98.9	100.0	100.0	100.0	100.0	ion.o	03.0	100.0	130.C	00.5
	65.3	96.2	89.6	96.7	97.7	97.9	98.9	100.0	100.0	100.0	100.0	100.0	00.0	00.0	lon.r	26.0

USAF ETAC 0.04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

45

SUFFAL CLIMATOLOGY PRANCH FIFETAC AL MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

BAFENBOHR AAF OL

73-61

# PERCENTAGE FREQUENCY OF OCCURRENCE

VISIBIL TH STAT TE MILES ≥10 | ≥6 | ≥5 ≥4 21. 21 2. 2. 2. 25% ≥2 , ≥ 2 .5000 2 17KHOC 2 90KH 30.3 44.8 47.8 53.1 53.7 53.7 55.4 55.4 55.4 55.5 55.5 55.5 55.8 55.6 55.6 21 a 4 45 a 8 48 a 9 54 a 5 55 a 1 55 a 1 55 a 8 56 a 8 56 a 8 56 a 9 56 a 9 56 a 9 56 a 9 56 a 9 57 a 1 57 a 1 34.3 50.8 54.2 60.2 61.0 61.3 63.3 63.4 63.8 63.8 63.8 63.8 63.8 63.8 63.7 63.9 2 6000 5000 37.1 53.9 57.5 64.5 65.4 65.6 67.9 68.0 68.0 68.4 68.4 68.4 68.4 68.4 68.5 68.5 42.7 62.6 67.2 75.9 75.9 76.2 78.5 78.6 78.6 79.0 79.0 79.0 79.0 79.0 79.1 79.1 . 44 . 1 64 . 8 67 . 7 . 77 . 8 . 78 . 6 . 79 . 1 . 81 . 7 . 81 . 7 . 82 . 3 . 82 . 3 . 82 . 3 . 82 . 3 . 82 . 4 . 82 . 4 . 45.6 66.6 71.7 80.6 81.5 82.3 84.4 85.0 85.2 85.5 85.8 85.8 85.8 85.8 85.9 85.9 48.1 63.1 75.5 85.9 87.1 87.6 93.5 91.1 91.1 91.7 91.9 91.9 91.9 91.9 92.2 92.2 180. 49.1 71.2 77.1 88.9 90.1 90.8 94.1 94.9 95.2 95.5 95.8 95.8 95.8 95.8 95.6 95.9 96.3 2 120U 2 1000 49-2 71-4 77-7 91-0 92-9 93-6 97-1 98-3 98-6 98-9 99-2 99-2 99-2 99-3 99-3 99-4 49-2 71-4 77-7 91-0 93-0 93-7 97-2 98-4 98-7 99-3 99-3 99-3 99-3 99-3 99-3 99-4 99-5 49-2 71-4 77-7 91-0 93-0 93-7 97-2 98-4 98-7 99-0 99-3 99-3 99-3 99-3 99-3 99-4 99-5 2 800 70% 49.2 71.4 77.7 91.0 93.0 93.7 97.2 98.4 98.7 99.0 99.3 99.3 99.3 99.3 99.4 99.5 49-2 71-4 77-7 91-1 93-1 94-0 97-5 98-7 98-9 99-3 99-5 99-5 99-5 99-6 99-6 99-8 49-2 71-4 77-7 91-1 93-1 94-0 97-5 98-7 98-9 99-3 99-5 99-5 99-5 99-5 99-6 99-8 49-2 71-4 77-7 91-1 93-1 94-0 97-5 98-7 98-9 99-3 99-5 99-5 99-5 99-5 99-6 99-6 99-8 49-2 71-4 77-7 91-1 93-1 94-0 97-5 98-7 98-7 98-9 99-3 99-5 99-5 99-5 99-5 99-6 99-6 99-8 99-9 500 2 300 2 700 49.2 71.4 77.7 91.1 93.1 94.0 97.5 98.7 99.5 99.6 99.6 99.6 99.6 99.8 99.9 49.2 71.4 77.7 91.1 93.1 94.0 97.5 98.7 99.0 99.4 99.6 99.6 99.6 99.8 99.9100.0 49.2 71.4 77.7 91.1 93.1 94.0 97.5 98.7 99.0 99.4 99.6 99.6 99.6 99.8 99.8 99.93.0.1

TOTAL NUMBER OF OBSERVATIONS 825

USAF ETAC ..... 0-14-5 (OL A) MENOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL'BAL CLIMATOLOGY BRANCH USAFETAC A! WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

Ω ي	FEN#0	HP AA	F DL	·			73-	81		- रह	<del></del>				<u></u>	<u>u</u>
				-		AGE F									—— <u>"</u> """	<del>- [-  </del>
CEIL NO							vis	BILITY ST	ATUTE MIL	E5						
f1E.	. ————. ≥ 10	≥ 6	≥ 5	≥ 4	د≤	≥2.	≥ 2	≥::	≥1.	≥ 1	≥ •	≥,	≥ .	≥ 5 ° o	2 4	2€
1 20000															38.7 43.5	
2 18000 3 57900	.2.3	32.6	34.7	38.9	39.9	40.0	41.3	41.9	41.5	42.7	42.9	43.0	43.3	43.5	43.6	43.
≥ 14000 ± 12000	22.5	32.7	34.P	39.1	40.0		41.4	42.0	42.1	42.9	43.	43.2	43.4	43.6	43.8	43.
2 XXXX 2 YXX	25.6	36.9	39.3	44.0	45.2	45.4	46.8	47.5	47.5	48.4	48.5	48.6			49.3	49.
2 BUILD 2 TOXIC	3 2 • 7	43.9	46.6	52.2	53.7	53.9	55.6	56.5	56.6	57.6	57.7	57.9	58.2	58.4	58.6	58.
2 6000 5 5000	32.5	46.4	49.5	55.8	57.4	57.6	59.5	60.4	60.6	61.5	61.7	61.8	62.1	62.3	62.5	62.
4500 4000	37.9	53.9	57.5	64.8	66.6	66.8	68.9	69.9	70.0	71.0	71.2	71.3	71.7	71.9	. 69 <u>.C.</u> 72 • 1 .76 • 8	72.
2 35X 2 000	42.3	59.3	63.2	71.9	74.1	74.4	76.8	77.9	78.	79.1	79.3	79.4	79.8	80.1	80.3 86.8	80.
2000	46.1	64.5		79.7	82.3	82.7	85.4	86.7	86.9	88.1	88.3	88.5	88.8	89.1	89.3 92.5	89.
90X	47.1	66.1	71.3	82.5	85.3	85.7	88.6	90.0	90.2	91.3	91.6	91.7	92.1	92.4	92.6	92.
20€ ≥ 400€	47.7	67.3	72.6	85.5	88.7	89.2	92.2	04.3	94.2	95.4	95.6	95.8	96.2	96.5	96.7	96.
: 90c 2 8cc	47.7	67.5		86.5	89.8	90.3	93.6	95.4	95.7	96.9	97.1	97.3	97.7	98.0	98.2	98.
2 700 2 600	47.8	67.6	73.1	86.8	97.3	90.8	94.2	96.1	96.4	97.6	97.8	98.3	98.4	98.7	93.9	99.
1 500 2 400	47.8	67.6	73.1	86.9	90.4	90.9	94.4	96.4	96.6	97.9	98.2	98.4	98.8	99.C	99.2	99.
2 300 2 200	47.8	67.6	73.1	86.9	97.4	90.9	94.5	96.5	96.8	98.1	98.4	98.6	99.0	99.3	99.5	99.
ж	47.8	67.6	73.1	86.9	97.4	90.9	94.5	96.5	76.8	98.1	98.4	98.6	99.3	99.4	99.7	

TOTAL NUMBER OF OBSERVATIONS 6642

USAF ETAC 1164 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCUE!

GLC9AL CLIMATOLOGY BRANCH SSFFETAC AIF MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 55877 578000	GRAFENWOHR AAF DL 73-61	AKYR?	- Wite
	PERCENTAGE FREQUENCY O {FROM HOURLY OBSER		<u> </u>

CEILING							V151	BILITY STA	TUTE MILE	5						
FEE!	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥1:	≥1.	≥1 .	٤.	≥ .	2	≥ 5 '0	2.	≱ċ
NO /EIUNG ≥ 20000	23.3	37.0		49.2				55.4 60.1			57.2	57.3	57.9	58.9	59.3	59.5
≥ 18000 ≥ 5000	24.5	38.9		53.9	56.4	56.6		60.8	60.9		62.7	62.8	63.4	64.4	64.8	65.7
≥ 14000 ≥ 12000	24.6	39.1 39.5	43.6		56.5	56.8	59.3		61.1	62.2	62.5	63.0	64.2	64.5	65.4	65.1
≥ 10000 ≥ 9000	26.4 26.8	42.2	46.8		59.9		63.0			66.2	66.8	66.9	67.5	68.5	68.8	59.1
≥ 8000 ≥ 7000	28 • 1 28 • 4	44.8			65.2	65.7	68.6 70.0	70.5				73.0	73.6	74.7	75.3 76.7	75.5
± 6000 ± 5000	28 • 6 30 • 7	45.3	-	64.4	67.0 71.1			72.4		74.3 78.9	74.9 79.5	75.1 79.7.	75.7 AD.3.	76.8 81.4	77.4 42.1	77.7
≥ 4500 ≥ 4000	31.4 32.3	49.5	56.8 58.2		72.9 75.0	73.5 75.6		79.0	79.3		81.6	81.5	82.4	83.5 85.8	94.7 86.5.	84.5
2 3500 2 3000	32.5 33.1	52.0 53.3	59.9 61.4	74.0 75.9	76.8 78.9	77.4		83.5	83.9	85.8	86.4	86.6	87.2 92.0	88.3 91.0	91.8.	99.2
≥ 2500 ≥ 2000	3 <b>3.3</b>	53.5	61.8	76.7 77.5	79.8 80.6	83.6	84.8	87.5 88.5	88.9		90.6	90.8	91.4	92.5	43.2 24.3.	94.5
2 1500 2 1500	33.7 33.7	53.9 53.9	62.4	77.5 77.8	80.6 80.9	81.5 81.7	35.9 87.1	88.5	,	93.8. 92.0.	91.6	91.9	92.5 93.7.	93.5	95.5.	94.5 95.7
≥ +200 ≥ +000	33.7 33.7	53.9 54.0	62.5	78 • 1 78 • 7	81.2	82.1 82.7	- 1	90.4 91.8		94.0		93.8	94.4	95.5 96.8.	96.2 97.5.	96.4 97.7
. 900 ≥ 800	33.7 33.7	54.0 54.0	62.8 62.8	78.7 78.7	82.1 82.1	82.9 82.9	89.0 89.0	92.1 92.1			95.2 95.7	95.5 95.5	96.1 96.1	97.1 97.1	97.8 _97.8.	98.1 98.1
≥ 700 ≥ 600	33.7	54.0	62.8 62.8	78.7 78.9	82.1 82.2	82.9		92.2	1	94.5	95.3 95.5	95.6 95.7	96.2 96.3,	97.3 97.4.	98.3 98.1.	98.2
± 500 ± 400	33.7	54.0	62.8 62.8	78.9 78.9	82.2	83.0 83.0	89.2	92.4	92.7	94.6	95.5	95.7. 95.7.	96.3.	97.4 97.4.	98.1 98.1.	98.3 98.3
2 300 2 200	33.7 33.7	54.0				83.0	89.2	92.4	92.7	94.6	95.8.		97.1.	98.4.	98.1 99.2.	98.7 99.8.
, J.	33.7 33.7	54.0 54.0	62 · 8	78.9 78.9		- 1		92.4							-	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ A3

USAF ETAC 1364 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRET

GLOBAL CLIMATOLOGY BRANCH USAFETAC AI: "EATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

200   20   25   24   23   27   21   21   2   2   2   2   2   2   2							ES	ATUTE MIL	SIBILATY ST.	vis							CEILING
20000 14.1 21.6 27.6 37.5 39.1 39.2 43.8 46.0 46.7 49.9 50.1 50.3 51.7 53.6 54.2 26.0 14.1 21.6 27.6 38.0 39.5 39.7 44.3 46.5 47.2 50.4 50.5 50.8 52.2 54.1 54.2 26.0 14.1 21.6 27.6 38.0 39.5 39.7 44.3 46.5 47.2 50.4 50.5 50.8 52.2 54.1 54.2 26.0 14.1 21.6 27.6 38.0 39.5 39.7 44.3 46.5 47.2 50.4 50.5 50.8 52.2 54.1 54.2 26.0 14.0 21.7 27.7 38.2 39.8 39.9 44.7 47.0 47.2 50.4 50.5 50.8 52.2 54.1 54.2 26.0 14.0 21.7 27.7 38.2 39.8 39.9 44.7 47.0 47.7 50.9 51.0 51.3 52.7 54.6 55.2 29.0 15.7 24.1 30.9 42.2 43.8 44.0 48.7 51.0 51.9 55.8 53.9 54.1 55.6 57.9 58.2 29.0 15.7 24.1 30.9 42.2 43.8 44.0 48.7 51.0 51.9 55.2 55.3 55.6 57.0 59.4 60.2 29.0 15.7 26.8 33.9 47.9 50.4 50.5 55.1 57.6 58.5 62.1 62.5 63.0 64.4 66.6 67.4 29.0 16.7 26.8 33.9 47.9 50.4 50.5 55.7 55.8 58.2 59.3 62.8 63.2 63.7 64.2 65.6 68.0 68.2 59.0 16.7 26.8 34.1 48.0 50.5 50.7 55.8 58.3 59.6 63.3 63.7 64.2 65.6 68.0 68.2 59.0 17.9 29.4 37.3 52.0 54.5 54.6 60.3 63.0 64.3 68.2 68.7 64.2 65.6 68.0 68.2 59.0 17.9 29.4 37.3 52.0 54.5 54.6 60.3 63.0 64.3 68.2 68.7 64.2 65.6 68.0 68.2 59.0 17.9 29.4 37.3 52.0 54.5 54.6 60.3 63.0 64.3 68.2 68.7 69.2 77.6 73.2 74.2 29.0 19.7 31.5 40.0 56.5 59.7 55.8 58.3 63.0 68.0 72.9 73.8 73.8 75.3 77.9 78.2 29.0 19.7 31.5 40.0 56.5 59.7 55.8 58.3 63.0 68.0 72.9 73.8 75.3 77.9 78.2 29.0 19.7 31.5 40.0 56.5 59.7 56.8 62.7 65.4 67.0 71.1 71.6 72.0 73.5 76.1 76.2 29.0 19.7 31.5 40.0 56.5 59.7 66.3 69.3 77.1 75.7 76.2 76.7 76.7 76.7 76.7 76.7 76.7 76	≥¢	≥ .	≥5 '6	2	≥ .	٠.	≥ 1	≥!.	≥:	≥ 2	≥2.	≥ 3	≥ 4	≥ 5	≥6	≥10	FEET
14-7   21-6   27-6   38-0   39-5   39-7   44-3   46-5   47-2   50-4   50-5   50-8   52-2   54-1   54-2	9 53.3 2.55.7	51.9	51.3	49.3 51.7								- 1					
14.6 21.7 27.7 38.2 39.8 39.9 44.7 47.1 56.9 51.5 56.3 52.7 54.6 55.9 58.2 59.00 15.1 23.4 30.0 40.9 42.5 42.7 47.4 49.7 50.4 53.8 53.9 54.1 55.6 57.9 58.2 59.00 15.7 24.1 30.9 42.2 43.8 44.0 48.7 51.0 51.9 55.2 55.3 55.6 57.0 59.4 60.2 20.0 16.7 26.8 33.9 47.9 50.4 50.5 55.7 58.2 59.3 62.8 63.2 64.4 66.8 67.4 26.0 16.7 26.8 33.9 47.9 50.4 50.5 55.7 58.2 59.3 62.8 63.2 63.7 65.1 67.5 68.2 50.0 16.7 26.8 34.1 48.0 50.5 50.7 55.8 58.3 59.6 63.3 63.7 64.2 65.6 68.7 68.2 50.0 17.9 29.4 37.3 52.0 54.5 54.6 60.3 63.0 64.3 68.2 68.7 69.2 70.6 73.2 74.2 20.0 18.6 30.2 38.2 53.5 56.4 56.5 62.7 65.4 67.0 71.1 71.6 72.0 73.5 76.1 76.0 19.1 30.7 38.9 54.7 57.8 57.9 64.3 66.9 68.6 72.9 73.4 73.8 75.3 77.9 78.2 30.0 19.7 31.5 40.0 55.4 57.8 57.9 64.3 66.9 68.6 72.9 73.4 73.8 75.3 77.9 78.2 30.0 20.3 33.8 43.2 60.5 64.2 64.2 64.4 71.7 72.2 74.0 78.7 79.2 79.7 61.1 80.8 81.2 20.3 32.5 41.7 58.4 61.8 62.0 68.7 72.2 74.0 78.7 79.2 79.7 61.1 80.8 81.2 20.3 32.5 41.7 58.4 61.8 62.0 68.7 72.2 74.0 78.7 79.2 79.7 61.1 80.8 81.2 20.0 20.3 33.8 43.2 60.5 64.2 64.4 71.7 75.3 77.8 82.4 82.9 83.4 84.8 87.6 88.4 21.0 20.2 33.8 43.2 60.7 64.5 64.8 72.0 75.6 77.7 82.4 82.9 83.4 84.8 87.6 88.4 21.0 21.9 33.8 43.2 60.7 64.5 64.8 72.0 75.6 77.7 78.7 82.8 82.9 83.4 84.8 87.6 88.4 21.0 21.9 33.8 43.2 60.7 64.5 64.8 72.0 75.6 77.7 82.8 82.9 83.4 84.8 87.6 88.4 21.0 21.9 33.8 43.2 60.7 64.5 64.8 72.0 75.6 77.7 82.8 82.9 83.4 84.8 87.6 88.4 21.0 21.9 33.8 45.0 63.6 67.3 67.3 67.5 76.0 80.6 82.7 87.8 89.9 87.3 90.1 90.9 21.9 34.6 44.9 63.4 67.3 67.5 76.0 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 60.2 21.9 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 60.0 22.1 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 60.0 22.1 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.0 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.0 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.2 88.6 89.4 91.3 99.3 99.1 99.5 60.0 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.2 88.6 89.4 91.3	7 56.2 7 56.2	54.7 54.7	54.1 54.1	52.2 52.2	50.8 50.8	50.5 50.5		47.2	46.5 46.5	1		-	38.0 38.0	27.6		J	
15.7   24.1   30.9   42.2   43.8   44.0   49.7   51.0   51.9   55.2   55.3   55.6   57.0   59.4   60.2	7 56.2	54.7 55.1	54.1 54.6	52.2 52.7	50.8 51.3	50.5 51.5		47.2					38.0 38.2			14.Q	≥ :2000
2 7000 16-7 26-8 33-9 47-9 50-4 50-5 55-7 58-2 59-3 62-8 63-7 64-2 65-6 68-3 68-3 68-3 5000 16-7 26-8 34-1 48-0 50-5 50-7 55-8 58-3 59-6 63-3 63-7 64-2 65-6 68-3 68-3 68-3 5000 17-9 29-4 37-3 52-0 54-5 54-6 60-3 63-0 64-3 68-7 69-2 70-6 73-2 74-6 2 4000 18-6 37-2 38-9 54-7 57-8 57-9 64-3 66-9 68-6 72-9 73-4 73-8 75-3 77-9 78-1 60-8 81-6 2 3000	7 60.3 2.61.9	58.7 . 60.2	57.9 . 59.4	55.6 57.0	54.1 55.6	53.9 55.3	55.2	51.9	51.0	48.7	44.0	43.8	42.2	30.9	24.1	15.7	≥ 9000
2 4500	6 69.3 3.70.5	67.6	66.6 67.5	64.4	63.0 63.7	63.2	62.8	59.3	58.2	55.7	50.5	50.4	47.9	33.9	26.8	16.7	≥ 7000
2 4000 19 1 30 7 38 9 54 7 57 8 57 9 64 3 66 9 3 71 1 75 7 76 2 76 7 78 1 60 8 16 8 16 8 16 8 16 8 16 8 16 8 1	P 70.5	74.1	68.J	65.6 70.6	64.2	63.7	68.2	64.3	63.0	60.3	54.6	54.5	52.0	37.3	29.4	17.9	≥ 5000
2 300 20 3 32 5 41 7 58 4 61 8 62 3 58 7 72 2 74 7 78 7 79 2 79 7 81 1 83 9 84 8 2 200 21 9 33 1 42 3 59 4 63 1 63 3 70 1 73 6 75 4 80 2 80 6 81 1 82 6 85 3 86 8 2 200 21 4 33 7 43 0 60 5 64 2 64 4 71 7 7 5 3 77 3 82 1 82 6 83 7 84 5 5 87 2 88 1 2 180 21 0 33 8 43 2 60 7 64 5 64 8 72 0 75 6 77 7 82 4 82 9 83 4 84 5 65 9 87 2 88 1 5 100 21 5 33 9 43 6 61 3 65 1 65 4 73 0 76 7 78 7 83 5 84 0 8 85 9 87 3 90 1 9 6 8 1 1 8 2 6 8 8 7 1 9 6 8 1 1 8 8 8 9 1 9 1 9 1 9 9 2 1 9 1 1 1 1 1 1 1 1 1	7.80.4	78.7	. 77.9	75.3	73.8	73.4	72.9	1	66.9	64.3	57.9	57.8	54.7	38.9	30.7	19.1	2 4000
2 1800 21.0 33.6 43.2 60.7 64.5 64.8 72.0 75.6 77.7 82.4 82.9 83.4 84.8 87.6 88.6 89.5 1500 21.5 33.9 43.6 61.3 65.1 65.4 73.0 76.7 78.7 83.5 84.0 84.5 87.2 88.5 1500 21.7 34.4 44.3 62.4 66.2 66.4 74.4 78.1 80.2 84.9 85.4 85.9 87.3 90.1 90.5 1000 21.0 34.6 44.9 63.4 67.5 67.5 76.0 79.8 81.8 86.6 87.1 87.6 89.1 91.9 92.1 93.5 800 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.2 93.9 94.7 94.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.2 93.9 94.7 94.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.2 88.5 89.2 91.2 93.9 94.7 94.5 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.2 88.6 89.4 91.3 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5	6 83.3 7 86.4 1 87.8	84.7	83.9	81.1	` _ `	79.2	· · · ·	74.7	72.2	58.7	62.5	61.8	58.4	41.7	32.5	20.3	2 3000
2 1500 21.5 33.9 43.6 61.3 65.1 65.4 73.0 76.7 78.7 83.5 84.0 84.5 65.9 88.6 89.6 2 1000 21.7 34.4 44.3 62.4 66.2 66.4 74.4 78.1 80.2 84.9 85.4 85.9 87.3 90.1 90.5 2 1000 21.9 34.6 44.9 63.3 67.3 67.5 76.0 79.8 83.8 86.6 87.1 87.6 89.1 91.9 92.7 2 900 21.9 34.6 44.9 63.4 67.4 67.6 76.1 80.0 82.1 86.9 87.3 87.8 89.4 92.1 93.5 2 800 22.1 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 800 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 800 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 800 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 800 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 800 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 800 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 800 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.2 93.9 94.7 2 93.9 94.7 2 93.0 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.2 93.9 94.7 2 93.9 94.7 2 93.0 2 2 0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.2 93.9 94.7 2 93.9	1,89.7.	88.1	. 87.2 87.6	84.5	83.7	82.6	82.1	77.3	75.3	71.7	64.4	64.2	60.5	43.0	33.7	21.4	≥ 2000
2 1000 21.9 34.6 44.9 63.3 67.3 67.5 76.0 79.8 81.8 86.6 87.1 87.6 89.1 91.9 92.1 93.0 21.9 34.6 44.9 63.4 67.4 67.6 76.1 80.0 82.1 86.9 87.3 87.8 89.4 92.1 93.0 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.0 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.0 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.0 22.3 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.0 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.0 22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.0 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.2 93.9 94.7 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0	5, 91.2.	89.5	88.6	87.3	84.5	84.5	83.5		76.7	73.0	65.4	65.1	61.3	43.6	33.9	21.5	
22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 600 22.1 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 600 22.1 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 600 22.1 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 600 22.1 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.5 2 600 22.1 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.2 93.9 94.7 94.5 2 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.3 94.0 94.5 2 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.3 94.0 94.5 2 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.3 94.0 94.5 2 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.3 94.0 94.5 2 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.2 88.6 89.4 91.3 94.0 94.5 2 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.2 88.6 89.4 91.3 94.0 94.5 2 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.2 88.6 89.4 91.3 94.0 94.5 2 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.2 88.6 89.4 91.3 94.0 94.5 2 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.2 88.6 89.4 91.3 94.0 94.5 2 600 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.2 88.6 89.4 91.3 94.0 94.5 2 600 200 200 200 200 200 200 200 200 2	7 94.4	92.7	91.9	89.1	87.6			,,						_ <del>```</del>			≥ 900
22.0 34.8 45.0 63.6 67.5 67.7 76.6 80.6 82.7 87.6 88.1 88.8 90.3 93.1 93.6 400 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.2 93.9 94.7 2 300 22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.1 88.5 89.2 91.2 93.9 94.7 94.5		+			88.8		87.2 87.6										≥ 700
22.0 34.8 45.0 63.6 67.5 67.7 76.9 81.0 83.2 88.2 88.6 89.4 91.3 94.5 94.5	9 95.5					****				76.6					34.8	22.7	≥ 500
1 > 100	7:96.7 9:97.1	<u> </u>		91.3	89.4	88.6	88.2	83.2	81.0	76.9	67.7	67.5	63.6	45.0	34.8	22.0	≥ 300
22-4 34-8 45-4 63-8 67-5 67-7 76-9 81-4 83-2 88-2 88-8 89-6 91-8 94-9 95-9	9.98.4 7.99.5	96.7	95.5	92.1	89.7	88.9	88.2		81.0	76.9	67.7	67.5	63.6	45.0	34.8	22.0	> 100

USAF ETAC 1000 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

SL-PAL CLIMATOLOGY BRANCH DOFFETAC AT REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

ាទី១៦-៩២០១

- <del>- Vic</del>----

CEILING							v (5)	1812-TY STA	itute Mile	۲.						
' FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥?	≥ 2	2	21.	≥1		· ·	2	≥ 5 : 6		2.
NO CEIUNG ≥ 20000	۲ <b>۰۱</b> 8 <b>۰</b> 5	13.7	17.8	75.9 29.J	30.9	31.8	35.6	38 • 5 42 • 7	39.1	41.0	41.7	42.3	43.1	44.	44.3	45.3 50.1
≥ 18000 ≥ 18000	8 • 6 8 • 6	15.2	19.7	29.5 29.5	34.9 35.0	35.7	42.0	43.2	43.8	45.9	46.8	47.2	49.1	49.2	49.7	50.7 50.8
≥ 14000 ≥ 12000	8.6	15.2	19.7	29.5 29.7	35.1 35.6	36.0 36.4	40.3		44.1	46.1 47.1	47.1	47.4	46.4	49.5	49.9	50.9 51.9
≥ 10006 ≥ 9000	9.3	16.2 16.5	21.1 21.5	32 • 3 33 • 1;	38.6 39.7	39.7 40.7	44.3	49.1	48.5	50.8 52.2	51.7 53.2	52•1 53•5,	53.0 54.6	54.2 55.8	55.7 .56.6,	56.7 57.7.
≥ 8000 ≥ 7000 ≥ 6000	9 • 6 - 2 • 7	17.6	23.5	36.7	44.1	45.2	51.4	56.4	56.3 57.5	56.9	60.01	67.6	61.6	63.1 64.2	63.9 <u>5.2</u>	66.2
÷ 5000	9.7 13.0 10.2	17.9 15.6	23.9 24.9	39.1	44.8	47.8	52.3 55.0	56.6 59.5	60.6	63.4	64.8.	62.0	63.1 66.5	64.4	65.2 - 68.7	66.4
± 4000 ≥ 3500	11.4	27.8	26.0 27.5 28.4	40.9 43.0 44.3	48.5 50.8 52.3	49.9 52.2 53.9	57.5 60.0	64.9	66.1	66.5 69.2 71.0	67.9 70.6 72.4	71.2. 73.0	69.7 72.4 74.2	71.0 <u>73.8</u> 75.6	71.8 . <u>74.7</u> . 76.5	73. 75.9. 77.7
2 1700	12.3	22.9	29.7 31.1	46.4	54.6	56.7	64.0	69.9	71.1	74.3	75.7	76.3	77.9. 80.4	79.3	82.7	81.4
800	15.1 15.3	25.9	33.0	50.4	58.7 59.0	67.2	69.5	75.3	76.6 77.1	79.9	82.1	82.3	83.9	85.3	86.1. 36.5	87.3. 87.8
3 1500 2 (200	15.9 16.0	26.9	33.9	51.9 53.3	61.9	63.4	71.0		78.9 80.6	84.3	86.3	84.9	86.7	90.2	89.0. 91.0	90.7
2 1000 	16.1 16.1	27.6	35.4 35.4	53.6 54.1	62.4	64.4	73.8	80.3	81.6 82.2	85.9	87.2	88.1	90.7		92.2 93.5	93.4
2 700 2 600	16.4	28.1	35.7 35.7	54.5	63.2	64.8	74.3	1	83.C	87.0	89.0	89.8	91.8	93.3	94.1	95.5
: 500 2 400	16.4	28.1	35.7 35.7	54.5	63.3	64.9	75.0 75.0		83.8	87.7	89.7 89.8	90.7	92.5	94.1	95.0	96.3
± 300 ± 200	16.4 16.4	28 • 1 28 • 1	35.7	54.5	63.3	65.0	75.1 75.1		83.9	88.2	90.2	91.2	93.1	94.7	96.1 96.4	97.5
ж -	15.4	28.1		54.5	63.3	65.0	75.1		83.9	88.2 88.2	90.2	91.2 91.2		95.2		99.6

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH SSAFETAC Aim MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							v (5)	B . ** 5*A	ATUTE MILE	۲.						
fEE"	≥10	≥ 6	≥ 5	≥4	23	22:	≥ 7	≥:	3	2	<i>:</i> •	· ·	2	25 6	* .	٠.
NO CEIUNG ≥ 20000		35.1 37.6			45.3 50.9		45.6 51.3	45.9		46.0 51.6	46.7	44.0 51.6	45.1	46.1 51.7	45.1 51.7	45.1 51.7
≥ 18000 ≥ 16000	23.5 23.8	33.2 38.5		49.5 49.8	51.9 52.2	52.1 52.4	52 • 2· 52 • 6.	52.4 52.8	52.6 52.9	52.6 52.9.	52.6 52.9	52.5 52.7	52.7 53.3	52.7 53.0	52.7 53.0	52.7 53.1
≥ 14000 2 12000	23.3	38.6		50 • 1 51 • 5	52.4	52.7 54.1	52.8 54.2	53.0	53.2	53.2 54.6	53.2 54.6	53.2 54.6.	53.3	53.3 54.7	53.3	53.3 54.7.
0000 ≤	25 • 1 <sup>1</sup> 25 • 6	43.9	43.5	53.2 54.5	55.7 57.1	55.9 57.3	56.0 57.5	56.4 57.8	56.5 57.9.	56.6 58.1	56.6 58.1	56.6 58.1.	56.8 58.2.	56.9	56.9 58.3.	56.9 5a.7
≥ 8000 ≥ 7000	28.2 23.3	45.3	40.8	60.8 62.1	64.4	64.8 56.2	66.8	67.1	65.7 67.5	67.7.	65.9 <u>67.7</u>	65.9 67.7.	65.1 67.9.	66.2 68.7	£6.2 <u>58.7.</u>	66.2 66.3
≥ 6000 ≥ 5000	29.8 29.3	45.6	51.1	63.9		63.3	69.1	69.4		75.5.	68.2 73.3	68.2 72.J.	68.3 70.1.	68.5 7 <u>5.3</u>	58.5 73.3.	68.5 Zia 3.
≥ 4500 ≥ 4000	32.5	51.3	55.2	69.4	73.6	74.1	7 • 7	75.4	75.7	76.1.	76.1	76.1	76.2.	72.9 <u>76.3.</u>	72.9 76.3.	72.9 76.3
2 3500 2 3500	37.2	57.3	62.2	77.9	32.3	82.8	78.3 83.9	84.5	84.9	85.3	85.3	85.3.	79.7 35.4.	85.5.	79.8 <u>35.5</u>	79 • 8 8 <u>5 • 5</u> .
2 2500 2 2000 	39.9	60.9		82.7	87.5	87.9		90.1	90.6	91.0		91.3	91.4	68.5 91.5.	99.5 71.5	28.5 21.5
2 5 X	40.3	62.5	67.6	84.8	89.8	90.3	91.8	92 . 7	93.3	91.9 93.8	93.0	94.0	92.2 94.1,	94.3	94.3.	
2 1000	41.1	63.2	68.7	86.3	91.5	92.1		94.7	95.5	95.9		96.4.		96.7.		96.7
2 800 2 700	41.2	63.3	63.8	87.3	92.5	93.1	95.2	96.2	96.9	96.7	97.4	97.8.	98.3	98.1.	98.1.	98.1
2 600 2 600 2 500	41.2	63.3		87.2	92.7	93.3	95.6	96.5	97.3	97.7	97.8	98.3	93.4	98.6	98.6	96.6
2 400 2 300	41.2	63.3	68.8 68.8		92.8	93.5	95.9	97.C.	97.7	98.2 98.6 98.7	98.7	99.2	99.3	99.5	99.5	
± 200	41.2	63.3	68.8	87.2	92.8	93.5	95.9	97.0	97.7	98.7 98.7	98.9	99.4	99.6	70.51	زورون	<u>50.0</u>
<u> </u>										98.7						

USAF ETAC 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OBSOLETE

CLUBAL CLIMATOLOGY BRANCH LIMPETAC AT AFATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

73-61 445 ... SAMON SPAFENHOHR AAF DI PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

.1222=1466

CEILING							¥1\$11	B-1-** 5*▲	IT_TE MILE	۲,						
· FEET !	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 .	≥ 7	≥	≥1.	≥1	٤.	÷ .	:	25 6	٠.	2.
NO CERNO 3 20000	31.9	41.3		42.5						42.6 50.5				42.6 50.5	42.6 57.5	42.6
≥ 18600 3 5000			43.8 48.8	51.7						51.3 51.3			51.3	51.3	51.3	51.3
₹ 14000 ± 2000		47.6		51.2 51.9						51.6 52.3		51.6	51.6 52.3.	51.5	51.6 	51.6
5 9000 5 1000	37.7 39.6	50.1 51.6								54.4					54.4 56.1	
2 800 <b>C</b> 2 2000	42.5 43.3	56.8 58.5		62.8 65.D						63.8 65.1				63.8 66.1.	63.º	53.9 55.1.
.: 5000	44.4		62.4	67.8	69.0	69.3	69.0	69 a D	23			69.0.	69.2	69.5	67.1 49.2	67.1 69.2
2 4500 4000	ومنت	66.T	68.9	75.8	77.2	77.2	77.2	77.2.	77.2	71.3	77.2.	77.2	77.2.	71.3	71.3 - <del>77.2</del> .	71 • 3 27 • 2.
2 7500 2 7500 2 2500	59.9	79.9	82.5	97.4	91.9	91.9	92.C	92.1:	92.1	52.8 92.1	92.1.	92.5.	92.5.	92.5.	33.1 52.5.	93.1 92.5.
2000	62.0	82.3	85.3	93.8	95.8	96.1	6.3	96.8	96 8	95.0 96.8,	96.8.	97.1.	97.1.	27.1.		97.1.
2 1500		82.9	85.9	95.1	97.1	97.4	97.6	98.1	98.1	97.4 98.1: 99.0	98.1.	98.4.	98.4.	98.4.	¥8.4.	28.4
2 000	63.2		85.7	96.5	98.6	98.8	99.C	99.5	99.5	99.5. 99.6	99.5	99.9	99.9	99.5.	99.9.	99.9
2 80F	63.2	83.7		96.5	98.7	98.9	99.2	99.6	99.6	99.6	99.6	100.0	122.0	100.00	لتعودا	20.5
. = 600 - 500	53.2	83.7	86.7	96.5	98.7	98.9	99.2	99.6	99.6	99.6	99.5	raa•ai	00.0	133.01	נם. כבו	מבנום.
2 300	53.2 53.2	83.7	86.7	96.5 96.5	98.7	98.9	99.2	99.6.	99.6	99.6	99.6.	120.0	00.0	נם. ממו	נמגמבו	Dü.a.
200	63.2 63.2	83.7	86.7 86.7	96.5 96.5	98.7 98.7					99.6. 99.6						
	63.2	83.7	86.7	<b>76 • 5</b>	99.7	98.9	99.2	99.6	99.6.	99.6	99.6	122.20	22.0	120.01	וסיכו	00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 104 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLIBAL CLIMATOLOGY BRANCH UCAFETAC AIR MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

PAF	E N # OH	R AA	F DL				73-	81			77					<u> </u>
				PE				ENCY Y OBS	-						15 <u>2</u> 3	-172
/ Et No							v·\$	MB-LITY ST	ATUTE MIL	ES						
iff	≥10 .	≥ 6	≥ 5	≥ 4	≥ }	≥2.	≥ 2	≥:	5, •	21	2 .	2 •	2	25 '6	٠.	<u>.</u> .
NO CELINO 1 29900	34.7	44.4	45.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	45.3	46.3	46.3	46.
> ANV	39.7		53.1 53.3	54.8	54.8	54.8	54 • 8	54.8	54.8	54.8	54.9	54.3	54.8	54.8	54.8	54.
	47.7		53.3	55.J	55.0	55.0	55.0 56.1	55.J	55.F	55.0	55.7	55.0 56.1	55.0 56.1	55.0	55.0	55.
2 10(8)(C	42.3	55.7		58.7	58.7	58.7	56.7	58.7 60.3	58.7	56.7	53.7	58.7	58.7	58.7	58.7	58.
8.00°	43 • Z	62.8	64.2	67.5	67.6	67.6	67.6	67.6	<del>, , , , , , , , , , , , , , , , , , , </del>	67.6	67.6	67.6	67.6	67.6	67.6	67.
- 6000 5000	1.2	66.1	67.8	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.3	71.8	71.2	71.8	71.
45(H)	.4.5		73.3			77.8	77.8	77.8			77.8			77.8		77.
* 644			83.6	88.6				89.7		90.0	90.0	90.1	90.2	9C • 2	97.2 95.2	90. 90.
3.44		_1	89.6	94.5		97.1	95.9	96.3 98.1	96.3	96.5	96.5	96.7			76 · 8	-
* · · · · · · · · · · · · · · · · · · ·			- •		97.4	97.4	97.6 98.0	98 • 3 96 • 7	98.3		98.6	98.7	99.8	98.8	98.3	98.
ww.	67.7	87.3 87.3		96.5 96.5	98 · 1	98.1 98.1		99.2			99.4	99.5			99.6	·
.> Piv.	57.3 57.3		90.6 93.6	96.9				99.5 99.5	99.5 99.5	99.8		99.9		100.0	100.0	195.
A 4700	67.3 67.3	87.7 87.7		96.9 96.9				99.5 99.5				99.9				190. 190.
	57.3 57.3		90.6 97.6		98.4 98.4	98.4 98.4	98.8 98.8		99.5 99.5					100.0	100.0	
. 104	57.3	-	90.6			98.4		99.5			99.8		130.3	0.00		
	57.3	87.7	97.6	96.9	98.4		98.8	99.5	99.5	99.8	99.8	99.9	102.3	100.0		

USAF ETAC 1.04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLURAL CLIMATOLOGY BRANCH LUFETAC ALC WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1855-50cc

CEUNG							V (\$1)	Bilite S'A	rure mile	5						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ ?	≥:	≥1.	≥ '	2 .	٤,	2	≥5 6		≥:
NO CEIUNG ≥ 20000	31.3 37.5	42.8	44.3	46.1	45.1 55.8	45.2 55.9		46.2			46.2		46.2 55.9	46.2 55.9.	46.2	40.2 55.9
≥ 18000 ≥ 16000	37.9 37.3		53.9	,	56.9 56.9	57.7 57.3		57.0 57.0	-	57.0	57.0 57.0	-	57.0	57.0.	57.7 57.3.	
≥ 14000 ≥ 12000	3º • 1 38 • 4	,	54 • 2 54 • 8		57.2 58.2				57.3 58.3		57 • 3 58 • 3,	-	57.3 58.3	57.3 58.3	57.3 58.3.	57.3 58.3
≥ 10000 ≥ 9000	41.3	57.5	58.5 60.2	63.8	62.1	64.4	64.5.	64.5	64.5.	64.6.	64.6.	64.6.	64.6.	64.6.	62.2 64.6.	64.5.
≥ 8000 ≥ 7000		63.8	67.3	72.0	70.1 72.8	73.0	73.2	73.2	73.2	73.4.	73.4.	73.4	73.4.	73.4.		73.4.
≥ 6000 ≥ 5000 > 4500	48•3 50•7	67.5	71.4	77.2	73.8 77.9	78.1	78.4.	78.4.	78.4.	78.5.	78.5.	78.5.	78.5.	78.5.	78.5.	
± 4000 ± 2000	56.1	75.1		86.7	87.0	87.3		88.2	88.2	88.3	88.3.	AA. J.		88.3.	88.3.	
25 FOG	55.3	73.9	83.5	97.9	88.8 92.2 93.4	92.6	23.3	94.1	94.1	94.6.	94.7.	94.9.	94.9.	<u>₹4.</u> 9.	94.9.	944.9.
800	58.7 58.9	79.9	84.8	92.8	94.5	94.9	95.8	96.7	96.7	97.1.	97.3.	97.4.	97.4.	97.4.	27.4.	97.4
2 1500	59.4	83.9	85.9 85.9	94.0	95.7 95.8	96.2	97.1	98.1	98.2	98.7.	98.8	98.9.	98.9.	98.9.	98.9.	98.9.
3 :000	59.4 59.5	8:.9		94.1	95.8	96.3	97.4	98.6	98.7	99.2	99.3	99.4	99.4	99.4.		99.4.
2 800	59.5 57.5	81.7	86.7	94.3	95.9										99.6	
. ± 600 . ± 500	59.5 59.5	81.0 81.0	86.0		95.9 95.9										<u>.aa.o</u> ; .ch.o;	
2 400 2 300	59.5 54.5	81.0	86.0	94.3		96.4	97.6	98.8	98.9	99.8	99.9		100.01	0.03	100.01 100.01	150.7
= 200		81.0		94.3	95.9	96.4	97.6	98.8	98.9	96.8	99.9	ico.Ji	133.7	0.00	130.01	00.0
<u></u>	59.5	81.7	86.7	94.3	95.9	96.4	97.6	98.8	98.9.	99.8.	99.9	100.0	racear	0.00	ומשפטו	لتعقف

TOTAL NUMBER OF OBSERVATIONS 83

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEBAL CLIMATOLOGY BRANCH USAFETAC AI AEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

GRA	FENHOR	AA SH	F DL	₹			73-	31			n <del>e</del>			-	<b>A</b> Ł
				PEI		– – .			OF O						1127-
CEIUNG	·						• (	5/8/L** 5	AT, TE M.	ES					
Ft.E.	≥10	≥6	≥ 5	≥ 4	≥ )	≥2 .	≥ 7	<u> </u>	≥'.	≥:	· ·	٠,	2	≥5 6	•••
NO CEUNO ≥ 20600			46.3 5 1												56 • ? • 2 • 4
≥ 18000 ≥ 6000	32.3		ז • ר 5		6.1.9	63.9	62.2	62.7		62.9	62.9	63.2	67.2	63.2	63.2
≥ 1400C 2 12090	32 • T	45.9	57.5	59.9	61.4	61.4	62.7	63.2	63.2	63.4	63.4	63.6	63.6	63.6	o 3 • b
> 8000 > 10000	36.4	50.7	55.3	65.1	66.5	66.5	67.9	68.4	68.4	68.7	68.7	60.9	68.9	68.9	
≥ 900° ≥ 7,800	40.1	55.6	60.5	71.2	73.0	73.0	74.4	75.2		75.5		75.7	75.7	75.7	
- 6000 - 5000	41.3	57.1	62.4	73.7	75.5	75.5	77.2		78.0					75.7	78.7
• 4500 • 4000	14.4	67.9		79.7	81.8	81.8	33.7	84.7		85.0	85.2			85.4	. <u>d.al.</u> 55.4
> 150c ≥ 100c	46.1	63.6		83.0	85.6	85.6	. 37.9	89.2		90.7	90.9		91.1	91.1	91.1
2500 2000	47.1	65.0	71.9	85.4		88.4	90.9	92.2		93.7	93.0	94.4	94.4	94.4	
900 500	47.1		72.2		:	89.4	92.3	93.8		95.2	95.5			-	95.9
200 2 000	47.4	65.6	72.7	87.0	90.2	93.3	94.0	95.6	95.7	97.1	97.4	97.8	97.8	97.3 37.8	97.6
. 900 2 800	47.4	65.8	73.3	97.6	90.9	91.0	95.0	96.7	96.8	98.2	98.4	98.9	98.9		78.9
2 °00 2 000	47.4	65.8	73.3	87.6	90.9	91.3	95.2	96.9	97.0	98.4	98.7	99.2	99.2	99.2	99.2. 99.2
500 2 400	47.4	65.8	73.3	87.6	97.9	91.3	95.2	96.9	97.D	98.4	98.9	99.4	99.4	99.4	99.4
2 300 2 200	47.4	65.8	73.3	87.6	97.9	91.3	95.2	96.9	97.C	98.4	98.9	99.4	99.4	99.4	99.4
	47.4	65.8	73.3	87.6	97.9	91.3	95.2	96.9	97.	98.6	99.7	99.5	99.8	99.8	99.6
	47.4	65,8	73.3	87.6	97.9	91.3	95.2	96.9	<u>, २7.5</u>	98.6	99.	99.5	99.8	99.8	99.81

USAF ETAC ..... 0+14-5 (QL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLET

STEPAL CLIMATOLOGY BRANCH A SETAC AT REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES ≥:0 ≥2. '≥2 ≱1. ≥1 ≥. 24.2 34.6 37.5 42.9 44.3 44.5 45.9 46.8 47. 47.8 43. 43.1 43.5 43.9 49.1 49.4 1.20000 26aB 35a4 41a7 48a3 50a0 50a2 51aB 52aB 53aC 53aB 54ac 54al 54a5 55ac 15a2 55ac > 48000 27.1 38.8 42.2 49.1 50.8 51.0 52.6 53.6 53.8 54.6 54.8 55.1 55.3 55.6 56.7 56.7 <u> 27 a 1 38 a 8 42 a 2 49 a 2 50 a 9 51 a 1 52 a 7 53 a 7 53 a 9 54 a 7 54 a 9 55 a 6 55 a 6 55 a 6 1 50 a 4 </u> 2 14000 27.2 39.0 42.4 49.3 51.1 51.3 52.9 53.9 54.1 54.9 55.1 55.2 55.6 56.1 56.3 56.5 2745 3945 4249 5040 5148 5240 5347 5447 5449 5547 5549 5641 5644 5649 5741 5745 \$ 9000 \$ 10000 29.2 41.9 45.5 52.9 54.8 55.7 56.6 57.8 58.0 58.9 59.1 59.3 59.6 60.2 50.5 60.2 29-9 42-8 46-5 54-3 56-3 56-5 58-3 59-3 59-6 60-5 60-7 60-8 61-2 61-8 62-1 62-5 9 9000 2 200 32.4 46.4 5 .7 59.8 62.2 62.5 64.6 65.8 66.1 67.1 67.4 67.5 57.9 58.5 68.8 69.2 33.2 47.5 51.9 61.5 64.0 64.3 66.4 67.7 68.0 69.1 69.3 69.5 69.9 12.5 73.8 71.2 2 0000 5000 33.4 47.9 52.4 62.1 64.6 64.9 67.5 68.3 68.7 69.7 77.0 70.2 77.6 71.2 71.5 71.7 34-9 49-9 54-9 65-3 67-6 67-9 70-3 71-6 72-6 73-1 73-4 73-6 74-7 74-7 75-2 75-4 ≥ 4500 ± 4000 36.0 51.5 56.6 67.3 70.1 70.4 73.0 74.4 74.8 76.0 76.3 76.5 76.9 77.6 77.9 75.7 36-3 54-4 59-7 71-0 73-9 74-3 76-9 78-4 78-8 80-1 80-4 80-6 H1-1 81-7 62-2 82-4 : 150c : 1006 39.5 56.4 61.8 73.4 76.5 76.9 79.7 81.3 81.7 83.3 63.6 83.9 84.3 85.~ ৪5.১ ২5.১ 2100 2000 41-3 59-3 65-1, 77-3 85-5 83-9 83-8, 85-7, 86-1, 87-7, 88-1, 88-4, 68-9, 89-6, 59-9, 96-2 42.5 67.3 66.1 78.7 82.0 82.5 85.6 87.5 87.9 89.5 89.9 90.2 90.7 91.4 91.7 92.1 43-1 61-1 67-1 79-9 83-4 83-2 87-2 89-3 89-8 91-4 91-8 92-2 92-6 93-3 93-6 24-1 800 43.2 61.3 67.2 89.2 63.7 84.2 87.5 89.6 90.2 91.9 92.2 92.5 93.7 93.7 94.0 94.4 43.4 61.6 67.7 80.9 84.5 85.0 88.6 90.8 91.3 93.2 93.4 93.7 94.2 94.9 95.2 95.6 95.6 200 43.6 62.0 68.2 81.6 85.3 85.8 89.5 91.7 92.3 93.9 94.4 94.7 95.2 95.9 96.2 96.6 43.7 62.1 68.4 82.1 85.8 86.3 90.2 92.5 93.1 94.7 95.2 95.6 96.1 96.6 97.1 97.5 43.8 62.2 68.5 82.3 86.0 86.6 90.5 92.9 93.5 95.1 95.6 96.7 96.5 97.2 97.5 97.8 43.4 62.3 68.6 82.4 86.1 86.7 90.8 93.2 93.8 95.5 96.2 96.4 96.9 97.6 97.9 98.3 ≥ 500 43.4 62.7 68.6 82.4 86.2 86.7 90.9 93.7 93.9 95.7 96.2 96.6 97.1 97.8 98.1 98.5 500 43.8 62.3 68.6 82.4 86.2 86.8 90.9 93.4 94.0 95.7 96.2 96.7 97.2 97.9 98.2 96.6 43.4 62.4 68.6 82.4 86.2 86.8 91.7 93.4 94.1 95.9 96.4 96.8 97.4 98.1 98.4 98.9 : 30c 43.8 62.3 68.6 82.4 86.2 86.8 91.7 93.4 94.1 95.9 96.4 96.9 97.5 98.2 98.6 99.1 43.4 62.3 63.6 82.4 86.2 86.8 91.0 93.4 94.1 95.9 96.5 97.3 97.7 98.5 98.9 99.6 43.8 62.3 68.6 82.4 86.2 86.8 91.0 93.4 94.1 95.9 96.5 97.7 97.7 98.6 99.1 99.9 43.9 62.3 68.6 82.4 86.2 86.8 91.0 93.4 94.1 95.9 96.5 97.0 97.7 98.6 99.11 C.

TOTAL NUMBER OF OBSERVATIONS 6693

USAF ETAC 164 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURAL CLIMATOLOGY BRANCH ULAFETAC All AFATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

GPAFE			TATION NAM	•				ENCY	OF O		RENCE				<u> </u>	<u>-</u> 0>0
							V-5	(8), 11 51	A". "E • 4							
ft	?	≥ 6	2.5	≥ 4	23	≥2.	≥.	2	21.	21	• • •	٠,	:	25 6	2.	ž.
				34.8											49.1	49.
8000 1	6 - 9	24.4	20.5	37.6 37.6	39.7	43.4	44.5	46.1	46.6	48.4	49.0	49.1	50.4		52.5	53.
400c 1	6.5	24.4	28.5	37.6	39.7	40.4	44.5	46.1	46.6	48.4	49.7	49.1	57.4	51.0	52.5	هدد. •ز۶
THERE I	8.9	26.4	37.8	37 • 7; 40 • 0	42.5	43.3	47.8	49.4	49.9	51.6	52.2	52.4	53.6	54.2	55.7	
Right 2	2.8	31.3		46.3	48.9	49.6	54.5	56.1		58.3	59.0	59.1	67.3	60.9		63.
				47.9											54.9. 57.4	
4500 2				52.7. 54.9												
7 M.K				57.8 59.1										76.7		
				64.6												
/** - <del>-</del>	2.0	44.8	50.6	66.3	71.3	72.3,	79.6	82.2	83.1	85.3	86.1.	86.3	89.4	89.7	92.9	92.
* 3	3.0	45.8	51.9	67.7	72.8	73.8	81.5	34.1	85.	67.3	88.1	88.3	97.4	91.3	92.9	94,
· * - 3	3.1	45.9	52.1	69.D	73.4	74.4	82.5	85.1	85.9	88.4	89.2	89.4	91.5	92.4	24,7	95
* 3	3.1	45.9	52.1	68.2	73.6	74.6	82.7	85.3	86.2	88.7	89.4	89.7	91.8	92.7	94.3	96
orx. 3	3.1	45.9	52.1	68.2	73.8	74.8	83.2	8 <b>5.8</b>	86.7	89.2	89.9	93.2	92.3	93.2	94.8	96
4.".	3.1	45.9	52.1	68.2	74.1	75.1	83.6	86.2	87.2	89.7	90.4	90.7	92.8	93.7	95.3	97
3	3.1	45.9	52.1	68.2	74.1	75.1	83.6	86.2	87.2	89.8	90.5	97.8	92.9	93.8	96.5	98
				68.2												

USAF ETAC 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECHAL CLIMATOLOGY BRANCH

USTRETAC AT WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

STATION STATE STATION NAME 73-61 CFD PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEIL NO							¥151	Bruth Sta	TUTE MILE	5						
166.	<u></u>	≥6	2.5	≥ 4	≥ 3	≥2	27	≥ .	≥. •	21	٠.	≥ .	2	≥ 5 8	2.	2.
NC - EUNU 20000	1 -4	15.5		26.0	27.7	28.0		33.3					39.2		42.5	44.
≥ 1800° ≥ 600°	11.4	16.5 16.5	21.7	27.5 27.5		29.5	33.8 33.8				38.4 38.4	39.2 39.2	41.3	42.8	44.9	46.5
≥ 14000 ≥ 1044	11.4		21.1	27.5 27.5	29.2	29.5 29.5	33.8 33.8	35.1 35.1	35.4		38 • 4 38 • 4	39.2 39.2	41.3	42.8 42.8.	- · · · - · ·	46.5
\$ 10000 * 24000 * 10000	12.9	18.0	22.8	29.2 29.2	31.5	31.7.	36.8		38.4.	41.5	41.7.	41.8	44.7	45.8 46.4	48.°	49.6 50.2
≥ 8000 ≥ 2000 → 6000	15.7	23.4	28.2	36.2	38.4	38.7	44.4	42.9	45.1	40.9.	49.5.	47.3 53.2	52.5	51.2 54.2	53.5 -56.5.	58.1.
5000 5000	17.3 19.1	26.0	31.4	39.8	42.4	42.7	49.5		51.6,	54.4.	51 • 2 55 • 2.	55.7.	58.0	59.7.		5J.6.
4000	19.9 <u>23.4</u>	23.5	33.7	44.2	47.4	47.6	55.1,	53.7: 57.0	57.3	6C.2.		61.6.	67.4	65.9.	68.2.	
2.00	23.6	29.5 32.7 33.1	38.8	57.4	54.5	55.1	63.3	65.7	66.7	69.7	70.3.	71.3	73.8	75.9.	70.5 -78.1.	SO.C.
2:400 800	25.0		47.2	53.2	57.5	58.1	67.4	73.3	71.3	74.4.	75.0	75.7.		. S 7.	80.3 83.3. 33.6	£4.8.
7 Sex	26.6	35.7		55.1	59.7	60.3	69.7	72.5.	73.8	76.9.	77.5	78.2.	alan	£3.2.	35.4.	57.3
1 100 1 100	27.1		42.8	56.3	60.9	61.6	72.0	75.0	76.4	79.7.	80.6	81.1	8: .1		88.5	924
2 800 2 700	27.1 27.1	- 1	42.8	56.5 56.5	61.3	61.9	72 . 8,	75.7	77.1	Bria6.	81.2,	82.0		87.2	89.4.	91.3.
; 5:K)	27.1 27.1	36.7 35.7	42.8 42.8					76 . 4; 76 . 7				83.7 83.7			92.4. 91.2	93.1
2 400 300 2 200	27.1 27.1		42.8	56.5		62.2	73.4	76.9 76.9	78.6	82.2	83.1 83.1	83.8. 83.8	86.8	89.2	91.5. 93.	96.4
- 20t	27.1 27.1		42.8			,	73.4	76.9 76.9	78.6	82.3		84.1		89.8. 90.2		99.4
	27.1	36.7	42.8	56.5	61.6	62.2	73.4	76.9	78.6.	82.3	83.3.	84.2.	87.6.	90.3.	94.21	20.2

TOTAL NUMBER OF OBSERVATIONS

GEREAL CLIMATOLOGY BRANCH USAFETAC AT- #EATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

STATEN BOHR AAF DL 73-81 <u>SEP</u> PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							V(5)	181674 514	ATUTE MILE	5						
*+6*	≥ '∪	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥ 7	≥ :	≥!.	≥ i	≥ .	٤,	2	≥5 ა	٠.	
NO CEIUNG ≥ 20000			12.6							26.6 30.1				34.5.	37.3	34.7
2 18600 2 18600			13.9 13.9	17.9	27.5 27.5	21.1	-	27.2 27.2		30.4 30.4		31.3 31.5	32.9	34.9	37.0 37.0.	39.5
≥ 14000 ± 12000	7.3		13.9	17.9 17.9	2 - 5	21.1	-	27.2 27.2		30.4 30.4	31.4 31.4			34.9	37.0 37.0	39.5 39.5
= '(KK)C ≥ 950C		12.0	15.2 15.5		22.7	23.5	27.1.	29.9	30.4	32.9	34.4.	34.9.		37.6 38.4.	39.9 47.6.	
2 9500 2 1000	9.5	15.0	13.0	24.1	29.2	27.3 28.9	33.2	36.4	37.0	39.1 <u>46.7</u> ,	41.9.	42.6.	44.2	44.5 <u>46.2</u> ,	46.7	49.2 59.
2 5000 5 5000	- 11	16.9		26.2		31.3	36.3	39.6	40.2	41.9 <u>44.7</u>	45.8.	43.7 46.6.	48.0,	47.3 50.2	49.6 52.4.	55.2.
1 400t	12.2		22.2 23.7 25.6	29.7	35.0	36.3	41.6	42.2	46.0		48.6 52.3	49.3 53.2, 56.1	57.8 54.7 57.6	53.7 56.9 59.9	55.3 59.1. 62.1	58.7 61.9
2 500 2 500	15.2	22.6	28.3	35.5		43.0	49.6	53.4	54.3	60.3	61.4	62.7	65.0	67.2 69.7	59.6.	72.3
800	16.6	25.2	31.6	40.0	47.2	48.2	54.9	59.1	60.2		68.5.	69.6	71.8.		16.6.	79.4
2 500	17.5	26.6	33.2 33.8		49.7	50.7	57.6	62.2	63.6		71.6	73.2.	75.5.	78.0.	8C.4.	63.1.
2 1000	18.7	27.5		43.5	51.9	53.0	60.2	65.1	66.5		75.7	77.4	79.8	82.2	84.6.	~7.3
200 - 200	18.7	27.5 27.5	34.0		52.0 52.4									83.2	65.6. 56.2	88.9
2 500 2 400	18.7 16.0	27.5		44.2		53.9	61.2	66.5	68.1	76.6	78.€	79.9	82.2	84.7	86.5. 87.1	89.3 93.4
2 400 2 300 2 200	18.0	27.5	34.2	44.2	52.8	53.9	61.2	66.6	68.2	77.4	78.4	83.7	83.2	85.2	89.9	
700	18.0	27.5	34.2 34.2 34.2		52.8	53.9	61.2	66.6	68.2	77.4	78.8	80.9				99.1
	1701	2103	3402	4702	32.00	3367	0102	00.0	0002	11.03	13.4	010	63.6	¢ / • 3	41.47	<u> </u>

USAF ETAC 1084 0-14-5 (O.E. A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLIEAL CLIMATOLOGY BRANCH

STATE GRAFENHOHR AAF DL

#### CEILING VERSUS VISIBILITY

AL WEATHER SERVICE/MAC

73-61

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(EILING							VIS	BIGITY STA	ITUTE MILE	5						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥3	≥2:	≥ 2	≥ '	≥1.	<u>2</u> 1	≥ •	ž .		2 5 16		2.
110 ± E\UNG ± 2 20000	13.1	21.7		30.0 39.0	1	32.8		35.0		35.4 40.0		35.4	35.4	35.2	35.7	35.7
≥ 18000 ≥ 6000	14.3	23.5	25.8 25.8	34.3 34.0	37.1 37.1	37.4		39.7 39.7	39.9 39.9		40.1 45.1	40.1	40.1	43.5 43.5.	47.7	40.7
≥ 14000 ≥ 20%	14.9	23.5	25.8	34.1	37.2	37.5 37.7	39.4	39.9 40.1	40.0 40.2		40.2 40.5	40.2 40.5	40.2 40.5	43.7	40.6 41.1.	40.3 41.1
≥ 9000 ± 10000	16.2	24.7 25.4	28.1	37.7	41.2	41.5	43.7	42.6	44.3.	44.6.	43.0 44.6	44.6	43.7	43.5	43.6	43.6
2 7000 2 7000	19.7	33.6		45.3	48.1	44.7	50.9	53.4	52.3 53.8	54.0.	52.6 54	54.0	54.0	53.1 -54.5.	53.2 _54.7.	54.7.
2 5000	20.4	37.8 32.5	36.1	45.71 47.8	52.4	52.7	55.4	53.9 -56.7.	57.C	57.4.		54.5 57.4.	54.5 57.4.	55.7 57.9.		55.2 58.3
2 350c	24.3	33.1 35.5 38.0	39.9	52.6	57.2	57.4	60.3	58.0. 61.5 64.9	61.3	62.5.	42.5.	58.8 62.5.	62.5	59.3 63.0.	59.4 -63.1. -66.5	63.1.
F = 2 1000 2 2500 →	29.1	41.3	45.8	65.3	65.1	65.4	68.7	70.6	71.5	71.7	71.7.	71.9.	72.1.	72.5	12.7.	66.5 72.7. 75.5
2000 800	31.3	46.0	50.8	66.7	72.4	72.7.	76.3	78.6 79.5	79.1	80.4	80.6.	-		81.4.	81.6.	81.6
200	32.4	48.7						83.1		85.1 87.8			85.7. 83.4	86.2	80.7	86.3 39.J
2 900 2 900 2 800	33.9	50.1 51.2	55.4	73.3	79.8	80.6	85.2	88.4	88.9	91.0	91.3	91.4	91.7	92.2	92.3	92.3
≥ 700 ≥ 600	33.9 33.9	53.2 53.2	55.4	73.7	87.4 82.6		85.9	88.4 89.2 89.5	89.7	92.2	92.4	92.7	93.2	93.6	92.3. 93.8 94.6.	93.8
3 500 2 400	33.9	50.2 50.2	55.4	73.7 73.7		81.6 81.6	86.4	89.9	90.7	93.8	94.1		95.1	95.9	96.3 98.1	96.4
: 300 : 200	33.9 33.9	50.2	55.4 55.4	73.7	80.8		86.4	90.2	91.2		95.3.	96.7.	96.9.	98.2.	99.0 99.4	99.B.
, x	33.9 33.9	1	55.4 55.4	73.7 73.7		81.6 81.6	-	90.2 90.2		94.6					99.5 99.51	-

USAF ETAC 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECHAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAG

# CEILING VERSUS VISIBILITY

TATION TO	GRAFENWOHR AAF OL STATION NAME	73-81	- C D
		PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	1555-1400
		STRUCTS STAT TE MULES	

CER No.																
tEF.	> . €	≥6	≥ 5	≥ 4	≥ 3	≥ 2	2.2	≥:	≥1.	<u>2</u> 1	2 4	ž ,	-	≥5 '6	2.	<u>.</u>
NIC (E UN 20000	2 ,	32.5 38.7														
2 18000 2 5100		39.6 39.6	-						-							
2 4000 2 .001	28.1	39.6 43.0	41.2	46.0	46.5	46.5	46.6	46.6	46.6.	46.6	46.6.	46.6.	46.6.	46.6.	45.6	46.6.
± 10000 ₹ 9000 • 8000	31.1	42.3	45.1	50.5	51.0	51.0	51.1	51.1	51.1	51.1	51.1.	51.1	51.1	51.1.	51.1	51.1.
≥ 700C ≥ 600C	36.1	47.8 49.8 50.0	51.7	59.0	59.5	59.5	59.7	59.7.	59.7	59.7	59.7.	59.7.	59.7.	59.7.		
2 4500	37.9	52.2 53.9	54.2	62.2	62.7	52.7	62.9	62.9	62.9	62.9	62.9.	62.9.	62.9.	62.9.	62.9.	
2 3500 2 1000	45.1	,	64.7	73.6	74.1	74.1	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
250C 2000	52.7	67.8 70.6 73.6	73.3	85 • C	85.8	85.8	86.8	97.1	87.1	87.1	87.1	87.1	87.1	67.1	67.1	67.1
2 800 2 500	54.5	74.3	77.2	90.2	91.2	91.3	92.3	93.3	93.3		93.3	93.3	93.3	93.3	93.3	93.3
2 200 3 900	56.1		83.3	93.9	95.1	95.6	96.9	97.9	97.9	98.0	98.3	98.4	98.4	98.4	78.4	98.4
2 800 2 700	56.1		87.3	93.9	95.4	95.9	97.3	98.4	98.4	98.4 98.6 99.5	98.9	99.0	99.0	99.5	39.D.	99.7
≥ 600 ± 500	55.1	77.2	87.5	94.4	95.9	96.4	97.9	99.3	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9
2 400 2 300 2 200	56.1	77.2	87.5	94.4	95.9	96.4	97.9	99.4.	99.4	99.6	99.9	100.0	00.0	0.00	30.0	00.3
	56.1 56.1 56.1		80.5	94.4	95.9	96.4	97.9	99.4	99.4	99.6	99.9	100.3	30.0	30.0	20.01	20.0

TOTAL NUMBER OF OBSERVATIONS 60

USAF ETAC - 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL:HAL CLIMATOLOGY BRANCH ... AFETAC AIF FEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

Car 7	G A A	FENRO	HE AA	F DL				73-	81			<del></del>				المجار	<u>.</u>
					PER					OF O		RENCE				<u>1530</u> -	-1.703
	"EIL NO							¥1\$!!	Bility STA	NTUTE MILE	ş						
	·ff. '	≥:0	≥ 6	≥ 5	≥4	≥)	2.2	27	<b>&gt;</b>	≥ ' •	2	2 .	≥ .	2	≥ 5 : 6	· ·	
	NC (ESNO	23.5	35.3		41.2	41.2		41.3	41.3		41.3	41.7	_	41.3	41.3	41.3	41.3
•	≥ 1800° 3 50×K		46.6	48.1	50.1	5^.2	5J.2 5D.2	5 .4	50.4	50.4	50.4	50.4	50.4	50.4	50.4		
	± 140€€ ± 2000		46.8	48.3	5°.4	57.5	53.5			50.6		50.6			50.6	50.6	50.6
	± 115,600 ± 12000,	37.B	49.3	51.0	53.7	54.0	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	-
	9.00C	44.3	57.3	59.5	- 0.0 ° 5.	63.4			-	56-1. 63-8	63.8			56.1. 63.9	55.1. 63.8	56.1.	63.8
	: 6000 - 5000	47.9	62.9	63.1	65.91 L7.0					68.0	68,0	68.0	68.0	68.0		69.7	
•	4500 4000	52.4	64.7 56.7	68.9	73.6		74.3	74.6	74.9		74.9	74.9	74.9	74.9	74.9	74.9	74.9
•	± 3500 ± 8000	55.7 59.5	75.1	77.4		83.5	83.6	84.2	84.5		84.5	84.5	84.5		84.5	34.5	34.5
	2500 2000	63.4	80.2	i	97.0	91.2	91.3	91.9	92.5		92.7	92.7	92.7	92.7	92.7	-	92.7
	. 800 . 500	65.2	81.7				94.5			96.9							
	200 200	65.7			93.5	95.6				97.9							
,		65.7								99.3	99.3	99.3					
,	200	55.7 65.7	82.6	85.9		96.6	96.4 96.8			99.3				99.4		99.4. 99.8	99.5
	2 600 : 500	05.7		85.9			96.8 96.8	,		99.9	99.9	99.9	וס • ספו	130.00	00.0	100.01	130.0
	≥ 40L 	65.7 65.7		85.9 85.9		96.6		98 • D		99.9				100.0			
	± 200 = 100	65.7	82.6		94.4					99.9							
;		55.7	82.6	85.9	94.4	96.6	96.8	98.0	99.6	99.9	99.9	99.9	וכ • סטו	Lng.O	00.0	تصوينا	القعنفتا

USAF ETAC .... 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATH REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

1820-2000

CEILING							v151	BILITY STA	ATUTE MILE	5						
: FEET	≥10	≥ 6	≥ 5	≥ 4	2 3	≥2:	≥ 2	2	≥1.	<u>&gt;</u> :	3 ·	2 .	2	≥ 5 ' 6	٠.	
NO CEIUNG ≥ 20000	28 • 5 32 • 9		43.3			4 d . 1				46.6 55.9:					48.F	45.3
≥ 18000 ≥ 16000	33.5	46.6	50.1	54.9	56.1	56.1	56.5	56.5	56.5		56.8	56.8		56.9	56.9	56.9
≥ 14000 ± 12000	33.4		57.4 51.7		56.4 57.0	56.4	56.8	56.8	56.8		57.° 57.8.	57.0 57.8.	57.0 57.8	57.1 57.9.	57.1 57.9.	57.1
≥ 10000 ≥ 9000	36.4 37.3		53.6 54.4				67.4	63.5 61.8			67.8	60.8 62.0	67.8 62.0	63.9		6J.9 62.1
≥ 8000 ≥ 7000		_ :								69.6 74.6		69.8 74.8	69.8 74.8	69.9 74.9.	69.9	59.7 74.9
2 6000 2 5000	46.3 48.3			72.5 75.0			74.8	75.3 77.8.			75.6 72.1	75.8 78.3	75.8 78.3.	75.9 78.4	75.9 78.4.	75.9 78.4
≥ 4500 ± 4000	51.3		74.0	76.6 81.0	82.9		83.9		84.9	85.4		80.1 85.5	33.1 85.5	80.3 85.6	80.3 85.6	90.3 95.6
2 3500 2 4000	54.4		79.8	88.0		-	92.1	93.1	93.3	93.9 93.9	93.9		94.0	91.1 94.1	71.1 94.1	
2 2500 2 2006	54.4 54.6	74.8		88.8	92.0		93.6	95.0	95.3		96.7	94.6 96.1	94.6 96.1.	94.8 96.3	94.8 96.7	94.8 96.3
2 1500	54.6	74.8	87.4	89.3	92.5		94.3	95.6	96.	97.0.	97.1	96.4	97.3.	97.4.	97.4.	
≥ 200 ≥ 3000	54.9		87.6	89.6	93.3		95.3	96.8	97.3	98.3	98.4	98.6	98.8	98.9	98.9	
≥ 900 ≥ 800 > 706		75.0 75.0	87.6 80.6	89.6	93.3	93.9	95.8	97.3	97.8	98.5	98.9	99.1	99.3	99.4	99.4	99.4
≥ 600		75.0	87.6	89.6	93.5	94.1	96.1	97.8	98.3	98.8	99.5	99.8	99.9	00.0	00.01	00.0
± 400	54.9	75.0	80.6	89.6	93.5	94.1	96.1	97.8	98.3	99.4	99.5	99.8	99.9	(0.0)		00.0
200	54.7	75.0	80.6	89.6	93.5	94.1	96.1	97.8	98.3	99.4	99.5	99.8	99.9	00.0	22.51	00.0
<u> </u>	1		[							99.4						

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_\_\_

USAF ETAC 0+14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LL PAL CLIMATOLOGY BRANCH SAFETAC A' KEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION URAFENHOUS AAF DE

73-51 MMT Sip

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-100-2300

FILNG							× \$1	BUTY STA	AT, TE MILE	E5						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 5	2.2	≥ 2	>	≥1.	≥ (		·	:	25.16		2.
NO .EIUNO ≥ 20000	25.1	33.0	38.2	46.1	48.4	4=.6	51.3	52.2	52.3	53.1	53.3	53.7	53.0	54.2	54.2	54.4
≥ 18000		36.5	41.7	50.4	52.8	52.9	55.9	57.2	57.4	57.6. 58.2	58 • 7	58.4. 59.1	50.3	59.7	<del>-19.1.</del> 59.7	. <u>53.3</u> .
> 4000	27.3	36.5	41.7	50.4	52.8	52.9	55.9.	57.2	57.4.	58.2,	58.7.	59.1.	59.3.	59.7.	59.7.	59.3
2 :20N	-		41.9	50.7	53.1	53.2	55.9 .56.3	57.6	57.4 57.8	58.2 58.6	58 • 7 59 • 1	59.4	59.3	59.7	59.7	50.9
± 10000 ≥ 9000	30.2	39.0	44.7	53.6	56.2	56.3	59.8	61.1	61.3	62.1	62.6	63.7	63.3	63.7	53.7	64.1
2 800C	<u> </u>	<u> </u>	50.4	53.8	62.2	62.3	65.8	67-5	67.7	62.3 69.0	62.8.	63.2.	-03.6.	64	54.7	64.3.
2 1000	<u>_36.9</u>	47.4	_53.7	63.5	66.1,	66.2	_69.7	71.5	71.7	73.1.	73.7.	74.1.	74.5.	74.5.	74.8.	75.2.
5000 5000	37 • 8	48.4	55.1	65.1	67.7	67.8	71.7	73.5	73.7	75.1 78.1.	75.7	76.1	76.5	75.9	76.R	77.2
4500 4500	39.3	51.7	58.4	69.5	72.3	72.5	76.5	78.3	78 . 7	90.1	80.7	81.1	61.5	91.9	21.9	34.2
500	_ <u> 40.4</u>	<u> 53.9</u>	61.7	72.2	75.6	75.7.	79.7	81.9	82.4	Bu.J.	34.6.	85.3.	85.4.	85.9.	35.g.	36.2.
2 1000	43.3	56.9	64.1	77.2	81.7	82.0	35.4	88.9	89.4	87.7 91.5	91.6	92.0	92.4	89.t 92.9.	89.6 32.49.	9.40 93.2.
2 7500 2000	43.3	56.9	64.1	77.5	82.0	82.2	87.2	89.5	90.0	91.6	92.2	92.6	93.3	93.5	43.5	97.9
800	43.6	57.8	65.7	78.6	83.1	83.4	88.7	90.2	91.5	92.6.	93.2.	93.5.	94.7	94.5.	95.2	95.6
2 500 200	44.2	_58.4	65.7	79.6	84.1	84.4	89.9	92.1	92.6	94.5.	95.1.	95.5	95.9.	90.4.	96.4.	96.1
2 000	44.2	⊃ະ••• 53•6	65 • A	79.7	84.6	84.7	90.6	92.9	93.4	95.2	95.9	96.2	96.6	97.1	97.1	77.5
900 804	44.2	5 6 . 6	65.3	79.7	84.7	85.0	90.9	93.1	93.6	95.5	96.1	96.5	95.9	97.4	97.4	97.7
·····	44.2	58.6		79.7	84.7	85.0	90.9	93.1	93.6	95.5	96.1	96.5.	96.9.	97.4.	97.4.	97.7
5 5/X	44.2	59.6	65.8	79.8	85.1	95.4	91.5	94.0	94.5	96.4.	97.5	97.4.	97.7.	98.2.	98.2.	24.6
: 5-% ≥ 400	44.2		65.8	79.8	85.1	85.4	91.5	94.1	94.7	96.6 96.6	97.2	97.6	98.7	98.5	98.5	98.9
± 200										96.6					98.6	
	44.2			79.8						96.7.						
										96.7 96.7					99.0 9 <b>9.21</b>	

TOTAL NUMBER OF OBSERVATIONS 799

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLOBAL CLIMATOLOGY BRANCH .. SAFETAC AT REATHER SERVICE/MAC

1 : #7" GRAFENMOND AAF DL

#### CEILING VERSUS VISIBILITY

73-61 man PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS:

+SIB . THE STATE WILLS The state of the s NO 15.9 26.7 29.5 34.8 36.4 36.6 38.6 39.4 39.6 4 .5 47.- 41. 41.5 42.1 42.5 43.4 1.2 35.6 33.7 39.7 41.4 41.7 43.8 44.7 44.2 45.7 45.7 46.5 47.1 47.8 48.5 49.7 21.4 73.5 33.7 39.7 41.4 41.7 43.8 44.7 44.9 46.7 46.7 46.5 47.1 47.8 48.5 47.2 2 4(X)() 31.9 3 1.7 33.8 39.8 41.5 41.8 43.9 44.8 45.0 46.1 46.4 46.6 47.2 47.8 48.6 49.3 34-1, 47-1, 41-8, 42-1, 44-3, 45-2, 45-4, 46-2, 47-2, 47-6, 45-2, 47-7, 49-7, 23.7 32.7 35.1 42.4 44.4 44.7 47.3 48.3 48.2 49.3 49.6 49.8 52.5 51.1 51.9 52.6 24-2 33-3 36-2 43-3 45-3 45-6 49-1 49-2 49-2 50-3 50-7 50-9 51-5 52-2 53-0 53-7 25-1 37-9 41-7 49-1 51-3 51-5 54-3 55-5 55-7 57-0 57-3 57-5 52-2 58-9 59-7 60-4 29.7 43.0 44.7 51.7 57.9 54.2 57.2 58.2 58.5 59.8 67.2 67.4 61.1 61.6 62.6 53.3 30.3 40.7 44.7 52.6 54.9 55.2 59.2 59.5 50.6 61.1 61.5 61.7 52.4 63.1 53.9 64.6 2 6000 5000 71.5, 42.3, 47.7, 55.3, 57.8, 58.1, 61.3, 62.6, 52.2, 64.3, 64.7, 64.7, 65.6, 50.3, 67.1, 57.5. 32.4 44.2 45.5 57.2 59.8 63.1 53.4 64.6 65.1 60.4 66.9 67.1 67.3 68.5 69.3 70.1 34.3 46.7 51.3 68.5 63.4 63.7 67.1 58.7 69.0 70.6 71.7 71.3 72.1 72.9 73.6 74.4 4900 36.1 49.2 53.9 63.6 66.9 67.2 77.7 72.3 72.8 74.4 74.2 75.1 75.8 76.6 77.4 78.2 . Kar 38.6 52.3 57.2 68.3 71.7 72.1 76.1 77.8 78.3 80.0 60.5 90.8 81.8 82.6 43.4 94.2 39.3 53.2 58.2 69.4 73.2 73.6 77.8 79.8 80.3 82.1 82.5 83.3 87.9 64.7 35.5 96.3 4".2 54.6 59.7 71.9 75.9 75.3 30.8 63.2 83.5 85.5 85.7 85.3 87.3 88.2 88.9 89.8 47.3 54.9 63.2 72.3 76.4 76.8 81.3 33.6 84.1 56.1 86.5 R6.9 87.9 41.1 55.9 61.3 73.6 77.8 76.3 83.7 85.5 66.7 88.2 88.2 88.9 89.9 90.9 90.6 91.6 92.4 41.5 56.4 61.9 74.3 79.8 79.3 84.3 56.6 87.3 89.6 90.1 97.5 91.5 92.4 93.2 94.7 20K 41.6 56.7 62.1 74.8 79.4 79.9 85.7 87.5 88.1 98.5 91.2 91.4 92.5 93.3 94.1 94.6 41.6 56.7 62.1 74.8 79.4 80.0 85.1 57.6 88.3 9 7 91.2 91.7 92.7 93.6 94.3 95.2 41.6 56.7 62.1 74.9 79.5 80.2 35.3 87.8 88.5 92.9 91.4 91.7 72.9 93.8 74.6 95.4 41.6 56.7 62.1 75.0 79.8 80.4 35.6 88.2 88.9 91.4 91.9 92.4 72.4 94.3 75.1 95.9 8×. 41.6 56.7 62.1 75.1 79.9 63.5 35.8 88.5 89.3 91.8 92.3 92.8 93.9 94.8 95.5 90.4 41.9 56.7 62.2 75.1 63.0 80.7 85.2 88.7 89.6 92.2 92.7 93.2 94.3 95.2 95.3 96.9 41.6 56.7 62.2 75.1 83.0 83.7 86.0 88.8 89.6 92.3 92.9 93.4 94.5 95.5 96.4 97.5 41.6 56.7 62.2 75.1 87.0 80.7 86.0 88.8 89.7 92.4 93. 93.6 94.7 95.7 97.6 96.4 41.6 56.7 62.2 75.1 87.0 80.7 86.0 88.8 89.7 92.5 93.7 93.6 94.8 95.9 97.4 99.7 41.6 56.7 62.2 75.1 87.0 80.7 86.0 88.8 89.7 92.5 93.7 93.6 94.8 95.0 97.4 99.7 97.6 99.6 41.6 56.7 62.2 75.1 80.0 80.7 86.0 88.6 89.7 92.5 93.1 93.7 94.9 96.1 97.7100.

USAF ETAC 0. 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF DESERVATIONS

SELRAL CLIMATOLOGY BRANCH SAFETAC AT REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

- STATION	PAFENEOHR AAF DL 73-31 TANK	- <u>fci</u>
	PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	<u> </u>

CEIUNG							viS	IBILITY STA	LTUTE MILE	5						
! FEE: '	≥10	≥ 6	. ≥5	≥4	≥ 3	≥2.	≥ 2	≥1:	≥1.	21	≥ .	≥ .	2	≥5 '6		≥ ¢
NO CEILING 2 20000			13.8				22.8	23.7			26.6		27.2	28.7	29.7	32.1
≥ 18000 ≥ 16000	10.6 17.6		15.2	20.7 20.7			26.1	27.2	27.2		30.1	30.6		31.7	33.0	36.0
≥ 14000 ≥ 12000	10.5 10.7	13.7	15.2	20.7	22.1			27•2 27•7			30 • 1 30 • 6.			31.7	33.0	36.0 36.5
≥ 1900C ≥ 900C	11.4	14.5	16.2	22.3	23.6	24.3	28.1	29.0 29.1	29.1	32.1	32.3	32.7.	32.9.		35.1.	
≥ 8000 ≥ 7000 ≥ 6000	13.5	18.1	27.4	27.2	28.7	29.4	33.3	32.9	34.7	38.7	38.2.	38.7.	38.8.	39.8.	41.1.	44.1.
± 500c	14.4	13.1	21.2	28.4	30.2	33.9	34.9	34.7	36.3	39.7	39.9.	45.4.	42.5			45.E.
2 400c	18.2	23.4	26.3	35.4	37.2	38.1	42.7	38 • 7. 44 • 2. 46 • 6	44.2	48.1.	48.3.	48.9.	49.3			48.3 54.7 57.2
2 1100 	22.5		37.5	41.0	42.9	44.4	49.5	51.3	51.3	55.5	55.8.	56.4	56.7.	58.4.	59.7.	62.B.
2000 800	22.3	30.8	35.7	47.8	50.0	51.8	57.1	59.4	59.4	63.5	63.8.	64.5.	64.9.		67.9.	71.2
2 500	25.2 25.8	33.8 35.3	38.7	52.3	55.5	57.4	62.8	68.0	65.2	75.1.	70.4			73.1. 76.:		
2 1000 2 900 2 800 :	26.5 26.5			57.3	61.5	63.5	69.7	70-1, 72-1	72.4	77.3	77.6	78.5	78.9	80.6	32.7	85.1
2 70€ 2 60€	26.5	36.1		58.4	62.6	64.6	71.1	73.1	74.8	79.7	80.0	80.9	81.3	83.7	84.4	97.5
500 2 400	26.5 26.5 26.5	36.1 36.1	42.3	58.9	63.1	65.1	71 - 8	74.8 74.8	75.9	86.9	81.2	82.5	82.3, 82.9	94.5	86.1	
2 307 2 200	26.5		42.T		63.3	45.3		75 • 4:	76.7 76.7			83.9		85.9. 86.7	87.5	95.3. 91.1 94.1
		36.1	42.0	59.0	63.3	55.3	72.1	75.4 75.4	76.7	82.0		-	64.8 84.8	86.8 86.8	38.7	95.5

USAF ETAC 10.84 0-14-5 (OL A) mevious epitions of this form are desour

GLURAL CLIMATOLOGY BRANCH
JSAFETAC
ALL MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION STATIO

73-61 WARE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							viS	BILLITY ST.	ATUTE MILE	£ 5						
FEET	≥10	≥6	≥ 5	≥ 4	≥)	≥2.	≥ 2	≥ '	≥1.	≥ 1	٤.	٤,	2	≥ 5 : 6	2.	2.
90 € 20000 2 20000	5 • 6 9 • 1	11.7	12.8	17.2 19.1	16.5	18.8	21.1	22.9	23.1	25.5	25.3	26.2	26.8	28.	28.8	32.3
≥ 18000 ≥ 18000	9 • L	12.4	13.7	19.0 19.0	27.4	23.7	23.5	25.3	25.6	27.7	28.1	29.0	29.6	30.9	31.8	35.2
≥ 14000 ± 1,900	9•1 9•1	12.4	13.7	19•⊆ 19•5	2°•4 2:•9	20•7 21•1	23.5 24.0	25 - 3 25 - 8	25.6 26.0	27.7	28.1	29.0	2°.6	30.9	31.8	35.7
→ 5000 > 6000 3000	9.7	13.3	14.9	20 • 5 20 • 5	22.2	22.6	25 • 4 25 • 4	27.2 27.2	27.5	29.9 29.9	30.2 30.2	31.2 31.2	31.8	33.1	33.9 33.9	37.4
≥ RONC ≥ 2040	11.3	15.8	17.8	23.2	26.2	26.8	30.5	32.4	32.6	35.1	35.5.	35.7	35.6 37.7	37. ~ 38.5	38.1	
3 6000 5 5000	12.3	15.5	18.6	23.9	27.7	28.3	32.3	34.2	34.4	36.9	37.3	38.2	38.8	38.5	41.7	44.4
1 4500 1 4500 1 500	14.7	<u> </u>	<u> 23.1</u>	27.6 30.3	33.8,	34.6	39 • 3	41.5	41.7	44.4	44.8	45.9	46.5	48.5	49.6	F 7. 4
- : (80)	1105	23.5	2 / • 2	31.7 35.8	39.7	4 7 • 6	45.9	48.1	48.6:	51.9	52.2	53.3	54.0	56.3	57.5	61.4
906.	1704	26.9	31.9	38.7 42.7 43.1	46.5	47.8	53.3	55.8	56.6	66.0	60.3.	61.4	62.1	64.5	55.7	46.7
- 5 p	_ <u>- 7</u> • 9.	29.5	34.4	46.8	51.6	53.2.	59.Di	61.5	62.4	65.7	66.1	67.4	68.2	77.6	71.0	75.7
.:	22.6	51.5	37.6	51.5 52.6	56.6	58.3	64.6	67.4	68.3	71.8	72.3	73.6	74.4	76.9	78.1	92.1
2 800°	22.0	31.4	38.6	53.9	59.4	61.2	68.2	71.6	70.8	74.3	74.8	76.1. 77.9	76.9	79.5	32.6.	84.5
- 2 800 	22.9	31.7	38.6	54.2	59.5	61.6	68.7	72.4	73.5	76.1	77.5	78.5	79.5	82.4	83.2	87.1
300 2 300 2 200	22.9	$\frac{31.7}{31.7}$	38.6	54.4	60.2	62.0	69.4	72.8	74.7	78.3	79.9	87.5	81.5	85.5	85.3	91.3
X	22.7	31.7 31.7	38.6	54.4	60.2	62.0	69.4	72.8	74.8	79.2	79.9. 80.0	81.9	87.9	86.1	87.6.	94.4
<u> </u>	22.9	51.7	3P . 6.	54.4	60.2	62.0	69.4	72.8	74.8	79.3	BC.C.	82.31	83.7.	E6.4	38.41	10.3

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 60 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

CL FAL CLIMATOLOGY PRANCH CONSETAC AT WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TESS - Secu

CERTING							visi	BILITY STA	TUTE MILE	5						
FEET *	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ 7	≥ :	≥1.	ž,	٤.	≥ ,	2	≥5 'e	2 4	≥:
NO / EUNG ≥ 20000	5.3	8.7					-	15.4					17.9		18.5	
≥ 18000 ≥ 5000	6 • Z	10.0 10.0	11.5	14.7				19.1								26.6
2 14000 2 7500	6.7 6.5			14.7				19.1				-		23.3 24.4.	24.2	
2 13000 2 9000 	6 • 6 	10.8	12.2					21.8		24.3	24.0		25.8.	26.4 26.6	27.3 27.4	79.9 33.3
2 8000 2 7000	8.6		15.3	21.7	24.5	25.4	27.3	25 · 8 28 • 7	28.9	31.7	32.4.	33.1.	3^.1 33.4.	34.2.	31.9 35.	34.6 38.2
2 6/00 2 5000 → STAN	0.4	14.2	16.1	23.4	26.9	27.9	29.8	29.1: 31.5:	31.7	34.4	35.2.	35.9.	36.2.	34.7	37.9.	
2 4500 ± 4000 	12.1	15.3	17.5 22.0	28 - D	31.7	32.7	34.9		37.2	40.3	41.0	41.9	42.3	43.4	40.1	47.4
2 1000 2 2500	13.2		22.5	31.3	35.3	36.2	38.9	38.4 41.C	41.6	45.5	46.7.	47.1	47.7.	48.9.	46.7 49.8.	52.9.
2000	15.4	23.9 23.8	27.4	37.8	42.3	43.5	46.8	44.4 49.4 51.0	50.0	54.2	55 · C.	56.0	56.7.	57.8.	58.7.	61.3.
3 1500 200		26.3	30.5	43.1	46.4	49.6	53.3	56.3 60.8	56.9	61.1.	62.2	63.2.	64.0	65.1.	66.2.	69.1.
± -000 ± - <del>000</del> ± - <del>000</del>	17.7	26.8 26.8	32.7	47.5	53.9	55.1,	59.4	63.2	64.1	68.8	70.0	71.2	72.7	73.2.	74.2.	77.4
2 - 80x	17.7	26.9	32.5	49.0	56.1	57.4	62.3	69.0	67.0	71.9		74.4	75.4	76.6.		50.7.
2 60€ 1 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	17.8	27.3	33.1	50.4	57.9	59.3	65.6	69.7 70.1	72.7	76.2	77.4	78.8	79.9,	81.1.	32.1.	85.3 66.5
2 406	17.8	27.3	33.3	50.4	1	59.3	65.7	- :	71.7	77.5.	78.9	82.9.	82.9	84.7		88.2
2 200 	17.8 17.8	27.3	33.Q	50.4 50.4	57.9 57.9			70.5	71 - 9. 71 - 9.	77.9. 77.9	79.5. 79.5	81.7 81.7	83.3	85.2, 85.6	87.6. 88.5	94.3
	17.8	27.3	33.7	50.4	57.9	59.3	65.7	70.5	71.9	77.9	79.5.	81.7	83.3	85.6.	53 8 8 ق	26.0

USAF ETAC 04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM AND OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC Als Weather Service/Mac

# CEIL 3G VERSUS VISIBILITY

<u>GR A</u>	FENDO	HR AA	F DL	·			<u>73-</u>	81			<b>T</b>				- <del></del>	Ç.
				PER					OF O ERVAT		-				<u> </u>	. <b>*</b> _
CEICNG							, 5	1811 7 57	A*, *E • (I	:8						
FEE" '	≥10	20	≥ 5	≥ 4	23	≥2.	2.7	>	5. •	<u>&gt;</u> :	٠.,	ż ·	:	25 6		_
S 20000			11.9		17.7	17.8	19.0		19.1	19.4	12.5	19.7	17.8	24		
± 18000 ≥ 15000	۹.8		15.8	21.0	22.3				25.2	25.4	25.6	25.8	25.9		26.6	*
≥ 14000 2 ±2000	9 . R	14.7	15.0	21.0	23,4	23.7	25.2	25.2	25.3	25.6	25.7	25.9	26.7	26.6	26.5	•
≥ 1000€ ≥ 900€	10.2	14.8	16.7	21.6 23.1 23.4	25.6	25.8	27.5	27.6	27.9			26.5 29.4	28.6	29.2	27.4 29.2	•
2 800K 2 7 XXC	11.3	17.2	19.5	26.9	29.5	29.7	31.8	12.0	32.3	32.5	32.6	32.9	29.2 33.0	29.7 33.6	<u> 29.9</u> 33.7	•
≥ 6000 ≥ 5000	12.2	18.0	27.4	20.7	31.9	32.3	34.4	34.8	34.8 35.0	35.2	35.4 35.4	_ : : :	35.7		36.6	•
* 4500 : 400t	13.7		22.2		35.0	35.4	37.8	38.2	38.5	38.7		39.3	39.4	1.2		
2 (500) 2 (300)	17.6	24.5	27.7		41.9	42.4	45.5	46.7		47.9	48.3	44.7		49.5	49.6	_
2500 2000	20.7	29.3	32.9	45.4	49.7	53.2	54.2	55.6	52.2 56.2	57.3	57.3	57.7	57.8		58.7	•
800 2 500	22.8	32.9	37.2	50.9	55.9	56.8	61.1		63.2	-	64.6	65.1	65.2	65.9	66.1	•
± 20€ ± :000	24.5	36.1	41.7		64.9	65.6	70.4	72.2	72.9	74.0			74.9			
> 900 ≥ 800	25.3	37.6	43.6		69.1	73.5	75.6	77.5	76.7	79.8	79.6 80.6	79.2. 81.2	81.4	82.1	82.2	_
2 700 2 800	25.6	38.7	44.1	64.3	71.3	72.4	78.7	81.0	81.8	83.5	84.3		85.2	85.9		•
500	25.6	38.0		64.4	71.6	72.9	79.9	82.8	82.7	86.3		87.8	86.5	89.	87.3	_
: 30C : 40C	25.6	38.0	44.1	64.4	71.6	72.9	80.2	83.3	84.7	88.2	89.4	97.2	91.2	92.7	93.5	•
- <u>,                                   </u>	25.6	33.0	44.1	64.4	71.6	72.9	80.3	93.4	84.8	88.3	89.5		91.3	93.8	95.8	•
	25.6	38.0	44.1	64.4	71.6	72.9	89.3	23.4	64.8	88.3	89.5	97.3	91.3	93.8	95.8	1

TOTAL NUMBER OF OBSERVATIONS

STUPAL CLIMATOLOGY BRANCH CS-FETAC AT AEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

SAMON GRAFENHOUR AAF DL

73-81

. . . . . . . . .

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							¥15	BIL ** 5*4	AT JTE Mill	E5						
: FEET !	≥10	≥ 6	≥ 5	≥ 4	23	≥2. '	2.2	≥ .	≥¹.	≥ ·	2 4	₹ •	2	25 6	• .	· · ·
NO (Ei⊔NG ≥ 20000	12.2 15.4	17.9		24 • D 29 • T				25.7 31.8		25.7 31.8		25.7 31.8	25.7 31.8	25.7 31.5	25.7	75.7 31.5
≥ 18000 ≥ 16000	16.1 16.1	23.5	25.1 25.1		32.9		33 • 2	33.2 33.2		33.2 33.2		33.2 33.2	33.2. 33.2.	33.2 33.2	33.2	33.2
≥ '4000 ≥ '2000	16.2 17.0	24.4		32.7	33.2	33.A	34.2	34.2	34.2	33.3 34.2	34.2.	34.2	34.2.	33.3	33.3	34.2.
≥ 10000 ≥ 9000 > 8600	19.9 18.3	26.2	27.6	33.7 <u>34.2</u> 37.0	36.1.	36.1.	36.8,	36.8	36.8	36.8	36.8.	36.8.	36.8.	36.E.	36.3 36.3.	36.E.
2 4000	20.3	30.1	31.5	39.1 39.2	41.0	41.0	41.9	41.9	41.9	41.9.	41.9.	41.9.	41.9.	41.9.		41.2.
. 5000 4500	22.9	32.5	34.3	41.6	43.6	43.6	44.6	44.6	44.6	44.6	44.6.	44.6.	44.6.	44.5.	44.6.	44-6
2 350c		37.8 42.1		47.8 52.8											57.7	51.5. 57.1
2 1500 2 2000	37.3	51.7	54.1	63.6	66.8	66.9	68.3	68.6	68.6	68.7	68.7	68.8	68.8	68.8	68.8	68.8
2 800 2 500		57.0	60.0	68.9 70.4 74.7	74.3	74.6	76.1	76.5	76.7	76.8	76.8	76.9	76.9			76.9
2 200 2 000		61.8	66.1	,	84.3	84.6	36.9	88.2	88.6	38.8 91.9	88.8	88.9	88.9	88.9		58.9
. 900 2 800	44.1	63.0 63.0								92.5						92.6 93.7.
2 706 2 600	44.1		67.6	83.Z 83.5	89.1	89.4	93.2	95.7	96.2	94.7	96.7	96.8	96.8.	96.8.	94.9 96.8.	96.3.
± 5.00 ± 400 ± 300	44.1 44.1		67.6	83.5 83.5	89.5	89.8	94.1		97.7		98.8	98.9.	99.3.	99.5.		99.2.
± 20€	44.1	63.0	67.6	83.5 83.5	89.5	89.8	94.1	97.3.	98.0	99.2	99.5.	99.6.	99.8	(0.0)	20.21	120.0.
<u> </u>	44.1	63.0		83.5												

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_R

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

STURAL CLIMATOLOGY BRANCH DEAFETAC ATT WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

<u> </u>	AFENDO	HR AA	F DL	<del></del>			73-	81		<del>- न</del> र					<del></del>	ÇI
				PER					OF O ERVAT						15,7	-1760
CEILINO							vis	51B1, ** 5*	ATU'E MIL	ES						
116.	≥10	≥ 6	≥ 5	2.4	≥ 3	≥2.	2.7	≥	<u>≥</u> 1.	≥ ;	2 .	٠,	2	25 0	>.	3.0
2 20000									31.7							
≥ 1800€									38.8. 39.9						<u> 18.8.</u> 9.97	
2 16000									39.9							
≥ 1400U ≥ 1200X		28.4							39.9	-	•		• • • •		• •	
2 10000		29.4							40.9.							
≥ 900€									43.2							
= BLAK	25.3	35.5	38.5	45.0	46.8	46.8	47.6	47.8	47.8	47.8	47.B	47.8	47.8	47.8	47.8	47.8
2 7000									49.8							
2 6000 2 5000									50.4 52.2							
<b>4500</b>									54.2							
4000									67.2							
2 150c		51•3 56•4		63.1					66 • 9 73 • 6							
									77.2							
- 200. 	44.9	62.8	68.5	77.1	79.9	83.2	31.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	. 32.2	. 82.2
500 2 500									83.3							
: 12%									92.1							
2 1900				:					94.4							
- 90k					- 1				94.5							
									95.7							
. 90C		66.9							98.6							
: 500		56.9	,	87.7	92.2	93.1	96.8	98.3	98.6	98.9	99.	99.0	99.7	99.0	99.0	99,7
2 400									98.6							
± 30€ ± 20€									98.6 98.6							
X									98.6							
<u>.</u>								-	98.6							

TLUMAL CLIMATOLOGY BRANCH LIMITETAC AT AEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

STAFENHORE SAF DI

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

<u> 1830-5700</u>

/ EUNG							v15	BILITY STA	ITUTE MILE	\$						
FEE	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥!	≥1.	≥ 1	2 4	2 .	2	≥ 5 '6	2.	2.
NO CERTNO 20000	12.2		27.8	27.5	?9.4 33.8	- 1				33.5	33.5	33.5	33.6	34.3 40.5		35.1 45.9
≥ 18000 ≥ 6/00	13.5 13.5			32.6 32.6	34.9	1 1 1 1			- 17	40.3	40.3 40.3	40.4 #0.4	_	41.1		41.9
≥ 14000 ≥ 12000	13.5	23.3	24.7	32.6	34.9		37.6 38.5	39.1 39.9	39.2		40.3 41.2	40.4	40.4 41.3	41.1 42.1		41.9 42.9.
10000 ≥ 9000	14.7				36.8	37.4	39.5	41.0	41.1		42.4	42.5 43.2.	42.5 43.2	43.2		44.1 44.3.
≥ 8000 ≥ 7000	19.4 21.1	29.2		43.2	46.0	46.6	49.2		53.8	52.1.	49.6 52.1.	49.7 52.2	49.7 52.2	53.4 53.2	53.6.	51.3 53.9.
≥ 6000 ≥ 5000	21.6	31.2	36.1		49.0	49.6	52.4	51.6 54.2	54.4	55.7.	53.0 55.7.	53.2	53.2 55.8	56-6	57.2.	54.9 57.5.
≥ 4500 1 4000	24. ] 25.6	35.1	47.9		55.3	55.9	58.9		61.1	62.5.	58.3.	62.6.	58.4 <del>62.6</del> ,	63.4	64.3.	64+3.
≥ 1000	27.8 29.4		48.5	56.9 61.5	64.9	65.5	68.5	70.5	70.6	72.7	72.	72.2	67.4 72.2	73.C.	68 • 8 73 • 6 76 • 6	7.J.B.
2000 1800	32.7	45.6	53.5	68.1		73.0	76.5	78.6	78.7	BC.5	80.5.	83.6	86.	81.5.	32.1. 83.4	£2.3.
2 1500	33.8 33.9	47.6	56.3	72.2		71.2	81.4	93.8	83.9	85.8.	85.E.	85.9.	85.9	86.7.	87.3. 91.2	87.5.
≥ 1000 ≥ 900	33.9		57.2	75.5	83.2		86.4	89.1	89.7	91.6	91.6.	91.8	91.8	92.6.	93.2.	93.4.
≥ 800° ≥ 700	33.9 33.9				80.8	81.8	87.2	90.4	91.4	93.4	93.4	93.5	93.5.	94.4.	95.C.	
2 600 500	33.9 33.9	48.3						92.6 92.8			95.9			96.9.	97.5. 97.7	
2 400 2 300	33.9 33.9		57.2 57.2		81.6	82.9			93.8	96.2. 96.3	96.2	96.4	96.4	97.1. 97.3	97.7. 97.8	98.1
200	33.9		57.2 57.2	,			89.1	93.0 93.0		96.3		96.4 96.4	96.4	97.6 97.6	98.3. 98.6	99.5
	33.9	48.3	57.2	76.8	81.6	82.9	89.1	93.0	93.9	96.3	96.3.	96.4	96.4	97.6.	98.61	20.2

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC ... 64 0-14-5 (OL A) REVIOUS EDITIONS OF THIS FORM ARE DESOLETE

SLIFAL CLIMATOLOGY BRANCH SCAFETAC A' WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 6873 GRAFENHOHR AAF DL PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

21,22-2303

\_\_\_\_\_<u>act</u>

HISIBIL TY STATUTE WILES 11.3 16.5 19.1 26.3 23.0 23.6 31.9 33.5 33.7 35.0 35.2 35.2 35.8 36.9 37.9 40.5 12.2 16.8 19.5 27.1 26.8 27.4 32.7 34.3 34.5 36.2 36.4 36.4 37.7 39.1 49.1 41.7. 12.5 17.6 20.2 26.1 29.9 31.5 33.8 35.4 35.6 37.3 37.5 37.5 36.1 39.2 43.1 42.2 13.1 13.0 23.7 29.8 33.6 31.4 34.8 36.3 36.6 38.2 38.5 38.5 39.1 40.1 41.1 43.6 16.7 21.4 24.4 33.1 35.6 36.2 39.9 41.7 41.0 42.7 16.7 21.4 24.4 33.1 35.6 35.2 39.9 41.7 41.9 43.7 44.1 44.1 44.7 45.8 46.7 49.5 17.5 23.2 26.5 36.G 38.6 39.2 42.9 44.7 44.9 46.7 47.1 47.1 47.7 48.7 49.7 52.4 17.3 23.7 27.5 36.7 39.3 39.9 43.6 45.4 45.6 47.4 47.8 47.8 48.4 49.5 50.4 53.2 17.7 24.1 25.0 37.5 40.1 40.7 44.6 46.4 46.6 48.4 48.7 48.7 49.3 50.4 51.4 54.1 19.1 25.8 30.0 39.9 42.5 43.1 47.2 49.0 49.2 51.0 51.4 51.7 52.3 53.4 54.5 57.2 450f 2 - 9 32-1 39-4 50-8 54-2 55-3 62-1 62-0 62-4 64-5 64-9 65-2 65-8 67-5 68-1 72-8. = 2000 , 20.6 34.2 41.8 53.5 57.3 58.4 53.3 65.2 65.6 67.7 68.1 68.5 69.1 70.3 71.3 74.1 27.1 36.7 44.8 57.3 61.3 62.4 67.4 69.5 70.6 72.3 72.6 73.7 73.6 74.2 75.9 78.6 77.1 36.7 44.8 57.7 62.1 63.3 68.6 70.7 71.2 73.5 73.8 74.2 74.8 76.7 77.1 79.8 26.1 37.6 45.0 60.9 65.7 66.9 72.3 74.7 75.3 77.5 77.9 78.3 78.9 67.0 61.1 63.9 28.3 38.6 47.7 62.8 69.0 69.3 74.7 77.1 77.8 80.3 80.6 81.1 81.7 82.9 84.7 86.7 2 (20X 2 (000) 28.4 39.2 43.7 64.8 7C.0 71.3 76.9 79.3 80.4 32.9 83.4 83.9 84.5 85.7 86.7 89.5 28.6 39.3 48.1 65.2 70.6 71.9 77.5 79.9 81.0 83.5 84.0 84.5 85.1 96.3 87.3 90.1 2() 28.6 39.3 49.1 65.7 71.1 72.4 78.3 80.8 82.0 84.5 64.9 85.4 86.3 87.2 88.3 91.2 2 7UL 2 50C 28.6 39.3 48.3 67.1 72.5 73.8 79.6 82.4 83.8 86.4 86.9 87.3 87.9 89.1 97.2 93.2 28.6 39.3 48.3 67.3 72.5 73.8 80.0 83.2 84.5 87.2 87.7 88.2 89.0 90.2 91.3 94.2 28.6 39.3 48.3 67.0 72.5 73.8 67.0 83.5 84.9 87.7 88.2 88.6 89.5 92.7 91.8 94.6 28.4 39.3 48.3 67.0 72.5, 73.8 83.0 83.5 84.9 87.7 88.3 89.8 89.6 90.9 92.0 95.0 28.4 39.3 48.3 67.0 72.5 73.8 87.0 83.6 85.2 87.9 88.6 89.1 90.0 91.3 92.4 95.3 300 28.6 39.3 48.3 67.0 72.5 73.8 60.0 83.8 85.2 87.9 88.6 89.2 90.1 91.4 92.7 96.8 28.6 39.3 49.3 67.0 72.5 73.8 80.0 83.8 85.2 87.9 88.6 89.4 90.3 91.6 93.0 97.6 28.6 39.3 48.3 67.0 72.5 73.8 80.0 83.8 85.2 87.9 88.6 89.4 93.3 91.6 93.5 100.0

73-81

TOTAL NUMBER OF DESERVATIONS ....

USAF ETAC 104 0-14-5 (OL A) REVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLEPAL CLIMATOLOGY BRANCH SAFETAC AI: WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CENING							V15	BILITY STA	TUTE MILE	:5						
FEET	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥ '	≥1.	2 1	2 .	٠,	2	≥5 6	2.	2.
NO CEUNG 20000	10.3		16.3					25.1				26.7		27.5	27.9 32.8	
≥ 18000 ≥ 18000	12.1 12.1	17.4	19.6	25.4	27.1 27.1			30.3			31.9		32.3	32.9	33.5	35 · 1
≥ 14000 ≥ 12000	12.1	17.4	19.6	25.4	27.2	27.5 28.3	29.5 30.2	30.3		31.6		32.1		33.8.	33.6	35 • 1 35 • 9.
≥ 10000 ≥ 2000	13.1	13.6	27.9	27.7	29.7			32.5 33.1		34.0 34.6	34.2	34.5	34.7 35.3	35.4	35.9 36.5.	37.5 34.1
≥ 8000 ± 7000	15.7	23.1	25.9	33.3	35.7	36.1	38.6	37.4 39.7	39.8	41.3	39.2 41.5	39.5 41.8	39.7 42.1	43.4	41.7 .43.4.	42.6 45.3.
2 6000 .7 5000	16.3	23.4	27.3	33.6	37.9	38.3	40.9		42.2	43.7	41.9 43.9.	42.2	44.5	43.2 45.2	43.8 45.5.	45.4
2 4000 2 1500	18.8 21.1 22.7	25.9 28.9 31.2	28.9 32.5 35.1	41.4	39.8 44.2	40.5 44.8 48.0	47.8	44.1 49.1 52.7	49.3		46.1 51.2 55.0	51.6	46.7 51.9 55.7	47.4 52.7. 56.6	48.7 53.4.	49.6 55.1. 59.0
2 1000	24 8 26 4	34.3	38.8	49.1	52.1	52.9	56.3		58.0	60.0	60.3	60.7	61.0	62.0	52.6.	54.J.
2000 2 1800	28.1	39.3	44.6	56.2 57.1	59.9	67.8	64.6	66.3	66.7	68.8.	69.1.	69.5	69.9	70.8	71.5.	73.2.
2 1500 + 1200	29 · 8	41.8 43.0	47.6	63.8	65.2			72.2						77.~. 81.4	17.6,	
2 1000 900 2 800	30.4	43.5	50.Z	66.3	71.5		76.6	78.8 79.8								
2 800 2 700 5 800	37.8 37.8	43.7	50.7	67.7	73.2	74.4	79.9	82.5	83.4	86.0	86.4	85.2	87.4		89.1	90.8
.: 500 2 400	30.3	43.8	57.7	67.8	73.5	74.8	80.5	83.9		87.6		88.2	89.3		91.5	92.3
2 300 2 200	30.9 30.8 8.08	43.8 43.8	51.7	67.9 67.9	73.6		80.9	84.3 84.3			89.3 89.4	89.7. 90.2		92.1	92.1. 93.0	93.2
130	30 • 9 30 • 8	43.8		67.9	73.6	74.9	80.9	84.3	85.5	88.7	89.4		91.0		94.1	98.3 98.3

CLIPAL CLIMATOLOGY BRANCH SSAFETAC ATT REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CENING							v:5	(BILITY STA	LTUTE MILE	5						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2:	≥ 2	≥ ′	≥'.	≥1	2 .	٤.	2 .	25 6	>.	٤٠.
NO CEUNG ≥ 20000								23.4 25.0				24.2 25.9.	24.4 26.3	26.	26.5	28.1 29.5
≥ 18000 ≥ 16000	;	13.2	14.6	19.7 19.7	27.4	23.4	23.0	25.3 25.3		26 • 1 26 • 1		26.1 26.1	26.3 26.3	27.9	28.4 28.4	30.2
≥ 14000 ≥ 12000	1:.2	13.2		19.7 2°.1	27.4	27.4	23.0		_	26 • 1 26 • 5	26.1 26.5,	26.1 25.5,	26.3 26.6.	27.9 28.3.	28.4 28.£.	30.0 30.4
≥ 9000	10.4	13.4	15.2	20.5	21.2	21.2	23.9	26.3.	26 . 3	27 • 1 27 • 1.	27.1 27.1	27.1 27.1	27.3. 27.3.	28.9 28.9.	29.4 29.4.	31.3 31.3
≥ 8000 ≥ 7000	11.2		16.7	22.9	24.7	24.2	27.0	29.6	28 · 1. 29 · 6.	30.5	29.0 30.5	29.1, 33,7	37.9	31.7	31.7 33.2.	33.3
≥ 100 ≥ 5000	12.4	16.3		25.5	27.1	27.1	29.9	32.9		33.8	30.5	30.7 33.9	30.9 34.2	32.5 35.9	33.2 36.6.	38 . 2.
2 4500 2 4000 2 1500	14.7	19.7	2°.7 22.7	37.8	32.9	33.2	36.6	36.7 40.1 42.7	43.2	41.6		38.1 41.7 44.5	38.3 42.3 44.7	40.7 44.0. 46.9	43.8 44.6 47.5	42.5 46.2.
2 000 2 000 → 2500	17.1	23.4	27.1	36 . 1	39.3	38.4	42.8	46.7 50.4	46.9	48.6	48.6.	48.7	49.0	51.3 55.3	51.9. 55.9	53.5. 57.5
1900	19.7	27.3	31.4	42.8	45.1	45.2	49.7	53.9 56.0	54.7	56.2	56.2.	56.3	55.5. 58.8	58.8	59.7. 61.9	61.3
200	21.5	29.8		48.6	51.3	51.8	57.2	62.4	62.7	64.9	64.9	65.1	65.3	67.6. 74.2	68.5. 75.1	76.9
2 1000	22.4	30.9		55.2	59.3	59.8	66.6	73.4	74.1	76.9	76.9	77.0	77.3	79.6.	30.5. 52.5	12.2
2 800°			37.4		61.3	61.8	69.1	76.3 77.3	77.1	80.2	80.3	80.4	80.9.	83.3		86.1. 87.8
≥ 600 ± 500	22.7		37.4					78.8 79.8						86.9 88.4	88.1. 89.6	89.7. 91.2
2 400	23.1	31.8	37.9	58.2	63.7	64.6	73.4	81.3	83.0	89.2	89.4	97.1	90.6	93.7	92.6 94.1	95.7
20C	23.1	31.8	37.9	58.2	63.7	64.6	73.4	81.3	83.2	89.7	93.1	90.8	91.5			99.1
	23.1	31.8	37.9	58.2	63.7	64.6	73.4	81.3	83.2	89.7	97.1	90.81	91.5	94.7	96.5	20.2

TOTAL NUMBER OF OBSERVATIONS 796

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLCHAL CLIMATOLOGY BRANCH USIFETAC All REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY STA	ATUTE MILE	5						
FEE	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥::	21.	≥ 1	2 4	· ·	•	25 6	2.	≥ડ
NO CEILING ≥ 20000	3.3		12.7	- 4				:						21.5	22.	23.3
≥ 18000 ≥ 5000	3 - 4 8 - 4		12.2		17.5	18.3	20 . 2	21.7		22.3	22.4	22.9	23.0	23.7	23.9	25.2
≥ 14000 ≥ 12000	8 • 4 8 • 4	11.3		16.8	17.5	18.0	20.2	21.7	22.€	22.3	22.4	22.9	23.0	23.7		25.2 25.7.
≥ 19000 ≥ 9900	8.9 9.1	12.1	13.2	18.5	10.5 19.8				24.6				25 • 1 25 • 6.	25.7 26.2	25.0 26.4.	27.2 27.7.
≥ 8000 ≥ 7000	9.9 13.5		14.4 15.0	20.3										27.8 29.2.	29.1 29.5.	29• I 35• I.
≥ 6000 ≥ 5000			15.0 16.2								_	-			29.6 32.2.	32.9 33.5.
2 4500 2 4000	12.2 13.1		17.4	,												
2 1500 2 1000	14.1 15.7		27.3		1						-			_		
± 2500 ± 2000	19.9		30.0	42.6	44.3	44.8	50.5	53.3	53.9	55.2	55.3.	55.3,	55.9.	56.5.		51.3 55.6
0 800 2 1506 	20.3 21.3	26.6 29.2	30.4 33.5	43.7 48.5					55.4 62.0			57.4 64.2,	57.6	58.2 65.3	58.4 65.2.	67.2 67.0
≥ 1000 ≥ 1000	22.3	31.1	35.0 36.0	55.3	59.2	60.2	68.8	73.6	74.2	76.1	76.2	76.7	75.8	77.5.	77.7.	79.5
2 80	22.9	31.1	36.7 36.7	.56.3	61.1	62.3	7 4	76.6	77.3	79.5	79.6	80.1	8C.5	81.1.	81.4.	B3.2.
	22.3	31.1 31.1	36.	56.8	61.6	62.8	72.8	78.6	77.8 79.6	82.0	82.1	82.6.	83.0,	Bu.C.	84.3.	86.1
: 590 2 400	23.5		36.6	58.3	63.2	64.9	75.7	82.1	81.2	87.5	87.9	83.9		93.3.	93.6.	92.4.
: 0x : 20c	23.4	31.7	36.6 36.6		63.2	64.9		82.9	84.1 84.4	88.8	89.3.	90.7		92.9.	93.6	96.1
	23.4	31.7 31.7	36.6 36.6						84.5						95.6	

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

SLOBAL CLIMATOLOGY BRANCH USAFETAC A: REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

<u></u>	FENWO	HP AA	F DL STATION NAM	<del>d</del> -			73-	81		<del> </del>	W.				<del>*</del>	άħ
				PEI					OF C	•					-572	مت.
CEIUNG							ViS	SIBILITY ST	TATUTE MIL	E5					· <del></del> · · · ·	
tee.	≥ 10	≥6	≥5	≥ 4	23	≥2.	≥ 2	. ≥	. ≥1.	≥ 1	≥ .	٤.	2	≥5 0	2.	2.
NO CEIUNG ≥ 20000	5.4								15.1	16.3	16.4	15.4	16.9	17.5	10.	72
≥ 18000 ≥ 15000	6.5			13.C	13.7	14.2	15.5	16.6		18.1	18.5	15.5	13.5 19.3	19.5	. <u>19.6</u> 27.1	. 21 22
≥ '4000	6.7	8.8		13.1	13.8	14.2	15.8	16.6	+		18.5	18.5	19.2	19.6	23.4	_22 22
3 12000	6.7	8 • 8	17.6	13.1	14.2	19.3	16.1	16.9	17.7	18.6	19.	19.2	19.5	20.1	2246	-22
≥ 10000 ≥ 9000	7.3 7.4		11.3	14.0	14.8	15.2	17•1 17•2	17.9 18.0		19.6	27.0	20.1	20.5	21.1	21.6	23
≥ 800f 2 7006		13.9	12.7	15.5	16.7	17.1	19.2 20.8		21.0	22.5		22.4	23.3	23.9	24.4	26
≥ 6000 ± 5000	9.1	11.6	13.3	16.6		15.7	21.1	21.9		24.2	23.9. 24.5	24.5	25.2	26.2	26.7	- 23 23
: 4500		14.2					23.3 25.8		28.1	26.4		<u>26.8</u> 29.8	30.4	28.4 31.7	28.9 32.2	36
2 4000 2 1500	13.1	16.2		23.4	25.2	25.8	28.8	29.7	31 - 1	32.5	32.8	32.8	33.5	34.7	35.2	. 3
2 FXX	15.6	19.6	22.6	28.9	37.9	31.8	35.5	36.6	38.	34.5 39.4	34.9 39.7	34.8 39.7.	35.5 <u>43.4</u>	36 • 7 <u>41 • 6</u> .	37.2 42.1	. <u>4</u> 4
2000				31.9 36.7					41.8			43.8	44.4	45.7	46.2	40
3 90x		24.9	-				46.2	47.9	49.4	50.9	51.4	51.6	52.2		54.1	5 (
70C									55.8 61.3			58.4.	59.7 65.2	66.5	67.7	6
2 900			34.8						67.3			70.8	71.6	73.	73.5	75
- 8ux	22.4	29.4	35.3	51.1	55.7	57.2	64.9	69.3	71.3	74.5	75.2	75.7	76.6	78.0	78.5	اف
≥ 700 ≥ 600		29.8							75.1 76.4			79.6		92.0 84.2	82.5 84.7	9
: 500 ≥ 400			36.2	52.6	58.2	60.5	70.8	76.2	78.6 80.1	83.0	83.9	84.4	85.7	87.3	87.8	A
2 300 ≥ 200	22.5	29.9	36.2	53.0	58.6	61.0	72.1	77.9	80.4	86.	88.1	88.7	91.4	92.6	93.1	91
- 2/K	22.5	29.9	36.2	53.0	58.6	61.0	72.1	77.9	80.5	86.9	88.3	89.2	91.4	94.6	95.2	99
2 :	22.5	29.9	36.2	53.Q	53.6	61.0	72.1	77.9	80.5	86.9	88.3	89.4	91.4	94.6	96.1	L)(

USAF ETAC 104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

ATT REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

GRAFENA OHR AAF OL 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CERING							+.51E	Billita STA	itute wile	۲.						
FEE.	≥10	≥6	≥ 5	≥ 4	2)	≥ 7	2.	≥.	<u>≥</u> 1.	2:	· ·	· ·	•	25 6	٠.	ź.
NO CEUNO ± 20000	5.4 7.3	8.5	9.3		17.2		13.8		_	15.7		15.3	16.7	15.5	16.0	17.2
≥ 18000 ≥ 15000	7.3 7.3	11.3	11.2	13.7 13.7	14.7		16.5	17.2		18.5			19.2		23.1	23.3
≥ 14000 ≥ 12000	7.5 7.5		11.4	13.9	14.9	15.4	16.8		•	15.9		19.3	19.4		20.3	20.6 20.7.
≥ 8000 ≥ 70000	8.1	13.8	11.3	14.4	15.4	15.9.	17.5	18.2	18.4.	19.7.	19.7 19.8.	19.3 19.9.	2" • 2 2" • 3.	22.7 . <del>23.5</del> .	21.1	71.3 21.4
≥ 9000 ≥ 7/kiC ≥ 6000	اخدو	13.4	14.3	17.8	19.3	19.9	19.9 21.6	22.3.	22.9,	24.2	24.3.	24.4.	24.8.	23.7 25.4.	25.E.	26.2
> 5000 > 4500	قعنا.	13.4 14.5 15.5	16.7	23.4	22.7	23.3	22.3 24.9 26.2	25.8.	26.4.	24.9 27.7. 29.3	25.1 27.8. 29.4	25.2 27.9. 29.6	25.6 28.3. 29.9	76.2 28.9.	26.6 29.3. 31.1	26.7
: 4000 : 3500	11.7	16.7	19.3	23.7	25.9	26.6	28.3	29.6.	30.5	31.5.	32.7.	72.1. 35.7	32.5.	33.2. 36.8	33.6. 37.2	31.5 34.2 37.6
2 3000 2 2500	15.7		25.7	32.2	35.3	36.1.	39.3	39.8	41.5	42.5.	42.6.	42.7. 47.1	43.1.	43.9.	44.2.	49.
2000 800 2 500	19.7				44.9	46.0	49.4				-	53.6. 55.7	54.2. 55.4	54.8. 56.1	55.1. 56.5	55.3 56.9
2 200 2 1000		31.3	36.3	47.9		55.0	59.1	62.3		56.7	67.7	67.3	61.7 67.7	68.4		69.3
990 2 800	21.3 22.1 22.1	32.5	38.5 38.5		59.4		64.5 66.8 67.8		72.9	73.9. 76.6 78.1.	74.3. 76.9	77.2 78.7	77.5	76.3	78.7	79.1
2 700 2 800	22.1		39.6	54.1 55.J	61.2		69.7		76.4		81.1 85.7.		81.7 86.3	82.5 87.1	32.9	83.2
500 ± 400	22.1	33.0 33.0	39.6 39.6	55.3 55.3	62.9		73.6 74.3	79.4	82.2	86.0 90.4	88.9 91.2	89.3 92.7.	97.5 93.4	91.2	91.5	92. 95.2
2 30K 2 2(K 2	22.1	33.0	39.6	55.3	62.9	65.8	74.3	81.0	84 • 1 84 • 1	91.1.	92.4		95.5.	97.4.	96.7 98.2	99.2.
	22.1	33.0 33.0		55.3 55.3			74.3 74.3	-		91.1 91.1	92.4 92.4.	-				-

USAF ETAC NA 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLEBAL CLIMATOLOGY BRANCH ATF WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

STATION STATEMENTS AAF DL 73-31

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1222-1422

CELLING							51	3. ** 5.4	" "E 🕶 .E	•						
i tff	≥ '೧	≥ 6	≥ 5	≥ 4	23	22.	27	?	2 .		2.	· ·	-	25 5	• • •	
NO 1 ETUNG 2 20000							17.7								17.3	17.3
≥ 18000 ≥ 5000		16.2 16.2			-	_	27.7						21.1 21.1	21.1	21.1 21.1.	21 • 1 21 • 1.
≥ 1400c ≥ 1700c	11.4	15.2 16.2	15.0	19.3	27.4	21.7		20.0.	25.9.	22.	22.7.	21.1.	21.1 21.1.	21.1 21.1	21+1 _21+1.	21.1 21.1
± 1960€ ± 446€ •	12.4	15.9	19.2				22.6.	22.7.		22.8.			22.9			22.9.
≥ 9600 > 2900 	15.2	2 . 1	21.2	25.7	27.1	27.4	25.4 27.6	27.7	27.9	28 • 1.		29.2	25.2	23.3		25.7 28.3
≥ 6000 ≥ 5000 + 4500	16.3	21.6	22.7	27.9	29 . 8.	30.2	23.6 30.5 32.1	30.6	30.8.	31.0.	31.0.	Hal.		31.2	31.2.	31.2.
± 4000	15.4	24.3	25.9	32.1	34.7	34.5	34.8.	75 · J	35 . 2.	35.3	35.7	35.5	35.5	35.6	35.6. 39.3	
- 2 +000 2 +000	24.3	33.5	35.8	43.9	46.1	46.9	47.6	48.0	43.2.	48.4.	48.4.	48.5.	46.5.	48.6	48.6. 54.6	45. b.
2005) - 1800					+										62.5	
2 15 K	33.4	45.4	49.2	64.4	69.4	73.8	73.4	74.7	75.1	76.4	76.6	76.8	76.9	76.9	69.4. 76.9	76.9
2 90k	34.3	46.5	51.0	68.2	74.8	76.3	80.5	82.7	83.3	85.2	85.3	85.6	85.8	86.0	86.0	96.
2 20K	34.5		51.1	57.9	77.7	79.7		87.2	87.8	90.3	90.1	90.4	90.6	93.7	_ <u>è 8 • 1</u> . 9 ~ • 7	90.7
190	34.5		51.1	73.6	78.6	ê0.6	86.2	90.3	91.0	94.0	94.5	95.7	95.5	96.1	. <u>93.1.</u> 96.1 98.2	96.1
2 300 2 200	34.5	46.6	51.1	70.6	73.6	80.6	97.2	91.1	92.7	96.7	96.6	97.2	97.9	96.5	98.6	98.7
+ ,K	34.5	46.6	51.1	70.6	75.6	80.6	67.2	91.2	92.4	96.5	97.1	97.9	98.5	99.2	99.41 99.41	10.7

TOTAL NUMBER OF OBSERVATIONS 793

USAF ETAC - 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CL.BAL CLIMATOLOGY BRANCH - SIRCTAC - ATH WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

STATION STATION NAME

73-61

--- Nov---

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500=1700

CEILING							• Si	SILTY STA	TITE WILE							
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥ 2	27	2	21.	21	· •	٠, ١	2	25 6	٠.	· ·
NO CERINO ≥ 20000	11.7	15.3		17.7 23.2		15.4	19.0	19.0	10.7	19.2	19.2 24.E.	19.2	19.2	19.2	19.2	19.7
≥ 18000 ≥ 18000	14.9	20.8 20.9		23.8	24.7	24.8	25.4 25.6	25.4	25.4 25.6	25.6 25.7	25.6 25.7.	25.6	25.6 25.7	25.6 25.7.	25.6	25.6 25.7.
≥ 14000 ≥ 12000	15.2 15.2	21.3	22.4	24.4	25.3 25.6	25.4 25.7	26.1 26.3	26.1 26.3	26.1 26.3	26.2	26.2 26.4.	26.2 26.4.	26.2 26.4	26.2 26.4.	26.7 26.4.	26.2 25.4
≥ 10000 ≥ 9000	15.5 16.2	22.8	23.9	25 • 2 26 • 1;	26.1 26.9	26.3 27.2	27.1 27.9;	27•1 27•9.	27.1 27.9.	27.2 28.1.	27.2 28.1.	27.2 28.1	27.2 26.1,	27.2 28.1.	27•2 28•1.	27.2 24.1.
2 8000 2 7000 2 6000	17.3	25.3	25.8	30.5	29.3	29.8 31.3	31.2	31.2	31.2 33.2	31 · 3 33 · 5	31.3 -33.5.	31.3 33.5	31 • 3 -33 • 5	31.7	31 · 3 -33 · 5.	31.3
2 5000 2 5000	19.3	27.6		31.1	34.6	32.5 35.1	34.0 36.7	34.0 36.7	34.0 -36.7.	34.2	34.2	34.2	34.2 37.1	34.2 37.1.	34.2	34.2 37.1
± 4000 ± 2500	21.8 22.8	33.8 32.3 34.7	34.7	37.2 39.5	47.6 44.0	38.7 41.1	42.7	40.5 42.5 46.4		43.4. 46.9	41.0 43.4. 46.9	41.0 43.4.	41.3 43.5.	41.0 43.5 47.0	41.3 43.5.	41.3 43.5 47.3
2 1906 2 2506	27.4 31.1	39.2		48.2 52.1	5 . n	50.6		52.8 57.1	52.8. 57.3	53.3. 57.8	53.3. 57.8	53.3	53.4.	57.9	53.4. 57.7	53.4.
2000	32.3	44.7	49.6	57.0 58.6	59.8	62.7	63.5.	66.5	66.8	65.0.	67.5	65.C.	67.7	65.2	.2. که	65.2.
2 1500 2 200 2 600	33.6 34.2			64.0 67.3		68.8. 73.1	72.3	73.1. 79.7	73.4. 80.2		74.3. 81.2	74.3. 81.2	74.4. 61.5	74.4. 81.5		74.4. 81.5
2 500 900 2 800	34.3 34.3	48.9	55.4	69.2	74.8			85.7	86.2	97.6	86.1. 87.7	86.1. 87.7	88.0	86.1	38.1	98.1
2 700 2 600	34.3	48.9			77.6	79.3 80.2		89.6	90.5		98.5. 92.1	92.0, 92.1 94.6	92.4 92.4	92.5 95.2	_9.3.4. →2.5 -95.5.	
: 500 ≥ 400	34.3 34.3	43.9	55.4 55.4	70.9	78.6	80.3			92.7 93.2	94.9		95.9 97.1	96.1	96.2	96.2 97.5.	96.2
30C 20C	34.3 34.3	48.9	55.4 55.4	70.9	73.6 79.6	80.3 80.3	59.1 89.1	92.5	93.4 93.5	96.7 97.1	98.2.	98.0 98.6	99.2	98.4 99.5	99.4 79.5.	98.4 99.6
- 100	34.3 34.3		55.4 55.4		78.6 73.6	80.3	89.1	_	93.5. 93.5.	97.1 97.1		98.6 98.6		99.5	99.61 99.61	

USAF ETAC 2004 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH
USAFETAC
A19 WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

STATENMONE AAF OL STATION NAME

73-81

- ¥or

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u> 1833-5:00</u>

CEIUNG							VIS	BILITY ST.	ATUTE MILI	£5						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥:	≥1.	≥1	٤.	٠, :	2	≥5 10	2.	2.
NO CEIUNG ≥ 20000	11.9				21.4 23.3			23.8 25.8							24.7 26.7.	24.9
≥ 18000 ≥ 18000	11.9				23.8 23.8							26.8 26.8	26.9 26.9	27.1 27.1	27.2 27.2	27.4 27.4
≥ 14000 ≥ 12000	11.9	17.3	19.9	22.8	23.8	24.2	25.6	26.6	26.6	27.2	27.3.	26.8 27.3	26.9 27.4	27.1 27.6	27.2 27.7	27.4 27.9
2 9000 2 9000	12.3	14.4		24.8		26.3	27.7		28.7	29.3	28.6 29.4	28.6 29.4	28.7 29.6	28.8 29.7.	28.9 29.8.	29.2 30.1
≥ 8000 ≥ 7000 ≥ 6000	14.3 14.7	21.1	23.4		30.6	30.7	32.3	32.2 33.3	33.3	34.2	34.3.	33.2 34.3	53.3 <u>14.5</u>	33.5 <u>34.6</u> ,	33.6 <u>34.8</u> .	33.8 35.1
2 5000 2 5000	16.2	23.4	25.9	31.5		31.5 33.5	35.3		36.5	37.5	37.6	37.6	37.8. 41.4	35.5 38.7 41.5	35.7 <u>39.2</u> , 41.7	36.0 38.5
2 2500	18.2	26.3		36.5	38.2	38.5	4 7		42.4	43.5	43.6	43.9	44.1	44.2.	44.5	44.7
2 3000 2 2500	22.3		36.2	44 . C	46.0	46.4	49.5	51.4	51.5	52.8	52.9	53.1	53.5 57.6	53.6. 57.8	53.9	54.1 58.3
2 2000 2 1800	24.3	35.5 36.1		52.4		56.6	61.8	64.4	64.5	66.3	66.4	66.7	67.7	67.2	67.4	
2 1500 2 1200 2 1000	26.1 26.7		44.9	59 • D	64.4	65.0	72.8	76.3	76.6	78.4	78.6	78.8	79.2	79.3	74.8	79.8
> 900 ≥ 800	27.1	39.5	45.9	61.3		68.8	77.2	81.2	81.5	84.C	84.1	84.3	84.7	84.8	85.1	85.6
2 700 2 600	27.1 27.1 27.1		45.9	62.4	68.5 69.4 69.9	73.7	79.7	94.0			87.3	87.7	89.1		86.2 88.5 90.1	89.5 90.6
± 500 ± 400	27.1		45.9	62.8		72.3	82.0	88.5	88.7	91.7	92.4	93.7	93.4	93.6	93.9	94.4
± 300 ± 200	27.1 27.1	39.5	45.9	62.8 62.8	70.9 70.9	72.6 72.6	82.6	89.2 89.2	90.0	93.0 93.2	94.1.	95.4	96.5	96.5 97.7	96.7 98.7	97.2 98.5
J.C		39.5	45.9	62.8	70.9	72.6	82.6	89.2	90.0	93.2	94.4	95.7	96.5	98.C	98.2 98.61	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 798

USAF ETAC 100 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH

**CEILING VERSUS VISIBILITY** ATH WEATHER SERVICE/MAC

STATION GRAFEN WOHR AAF DL

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5150-53cc

CERNS							V151	BILITY STA	NOTE MILE	5						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2.	≥ 2	≥':	≥1.	≥ ١	2.	2 ,	2 .	≥ 5 ′ 6	2.	21
NO CERNO ≥ 20000	11.9	14.3	16.4	19.8			22.9					25.3	26.5	27.4	27.6	26.2
≥ 18000 ≥ 5000	11.2	14.7	17.2	21.3		21.8	24.7		27.2	27.9	28.4	28.4				30.2
≥ 14000 ± 12000	11.2	14.7	17.2		21.8		24.7		27.2	27.9		28.4	29.5	29.4 29.4		30.2
≥ 10000 ≥ 9000	11.3	14.8		21.8 22.0			25 · 3		,			29.7	29.4 29.5	30.2	30 • 6 35 • 7	31.2
≥ 8000 ± 7006			19.9	26.1 27.2	-						33.6			34.6	35.0	35.6
2 6000 5 5000	14.2	- T - 1	21.0			28.2 31.5		33.9			35.3 38.8	35.3	35.4 39.3	36.3	36.6	37.3 46.9.
* 4500 * 4000	17.6 18.2		26.0 27.0	33.4		34.4		40.5. 42.5			42.2	42.4	42.5 44.7.	43.4 45.7.	43.8 46.0.	44.4 46.7.
2 3500 2 7000	19.1	24 • 2 25 • 3	28.6 31.2	i i			42.4				47.7 52.4.			49.2 54.1,	49.6 54.5.	50 • 3 .55 • 2.
2 2500 2 2000	22.7	28.9 33.9	36.3	47.6	51.2	50.2	55.6	58.7	-		56.8 61.7.	57.2 62.1.	57.3 62.2	58.5 63.4.	58.8 63.7;	59.6 64.9.
; 1800 ≥ 1500 	24 • 7 25 • 8	33.4	37.1 33.9	52.9	56.6	57.0	64.1	67.8	68.3	72.3.	64.1 70.8	64.5 71.1.	71.4,	65.7 72.5.	66.1 72.9.	67.3 74.2
2 1000	26.1		40.0	57.3	62.1	62.6	73.5	74.7,	75.3	78.4		79.3	75.9 79.5,	77.2 82.8.	77.5 81.2,	78.7 82.3
2 80K	26 • 2 26 • 3	34.1	40.3	57.8	63.6	63.6	72.0	76.5	77.2	80.4		81.3	61.8.	83.1.	32.9 33.6.	84.7.
2 700 2 600	26.5 26.5	34.1 34.3	45.7	59.0	64.5	66.1	75.2	80.2	BD.B	85.1.	83.3 85.7	86.1.	86.7	AB.C.	36•1: <u>AB•5</u> .	89.6.
: 500 2 400 2 300	26.5	34.4	41.2	59.7 59.8	65.9	66.6	76 B	82.6	83.3	89.1	90.1	91.2	91.8.	93.1.		94.3.
± 200	26.6	34.4	41.2	59.8	66.1	67.1	77.0	83.6	84.6	91.2	92.2	93.5	94.2	95.6.	95.5 <u>96.6</u>	97.7
<u> </u>	26.6 26.6	34.4	41.2	59.8	66.1	67.1		1	1	- 1	92.5 92.6				97.2 97.73	

USAF ETAC 10.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATF HEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

- Non

1 627 GRAFENWOHR AAF DL 73-31

PERCENTAGE FREQUENCY OF OCCURRENCE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES 25 | 24 > 10 ≥5 '8 > . NO PERING 9.4 12.4 13.5 16.4 17.1 17.3 18.7 19.7 19.9 23.4 20.5 23.5 27.8 21.3 21.5 22.3 10.2 13.9 15.2 18.5 19.3 19.5 21.0 22.1 22.3 22.8 23.3 23.1 23.3 23.8 24.1 24.8 10.2 14.0 15.4 18.8 19.6 19.9 21.5 22.5 22.7 23.3 23.4 23.5 23.7 24.2 24.5 25.2 10. 3 14.0 15.4 18.8 19.7 19.9 21.5 22.6 22.7 23.3 23.4 23.5 23.7 24.3 24.5 25.3 ≥ 14000 ≥ 12000 10.3 14.1 15.5 18.9 19.8 20.0 21.6 22.7 22.9 23.4 23.6 23.7 23.8 24.4 24.6 25.4 14.2 15.6 19.0 20.0 20.2 21.8 22.9 23.1 23.7 23.8 23.9 24.1 24.6 24.9 25.6 ≥ 10000 10.7 14.7 16.3 19.9 20.9 21.1 22.8 23.9 24.1 24.7 24.8 24.9 25.1 25.7 25.9 26.7 11. 14.9 16.5 20.2 21.2 21.4 23.1 24.3 24.5 25.1 25.2 25.3 25.5 26.2 26.3 27.0 ≥ 9000 ≥ 8000 ≥ 7000 12.2 15.4 18.1 22.5 23.6 24.0 25.8 27.0 27.3 27.9 28.1 28.2 28.4 29.0 12.9 17.2 19.1 23.9 25.1 25.5 27.4 28.6 28.9 29.6 29.7 29.8 30.0 30.7 31.0 12.9 17.4 19.3 24.2 25.6 25.9 27.9 29.1 29.4 30.1 30.2 30.4 30.6 31.2 31.5 32.3 ≥ 6000 ≥ 5000 14.1 19.3 21.1 26.4 27.9 28.3 30.4 31.7 32.1 32.8 32.9 33.1 33.3 33.9 34.2 35.3 ≥ 4500 ± 4000 15.3 23.6 23.1 29.0 30.5 33.9 33.2 34.6 35.3 35.9 36.1 36.2 36.4 37.1 37.4 16.3 21.9 24.6 31.2 32.8 33.2 35.8 37.4 37.8 38.7 38.9 39.0 39.3 40.0 40.3 41.1 17.6 23.7 26.6 33.7 35.5 35.9 38.6 40.3 40.7 41.7 41.7 41.9 42.7 42.3 43.7 43.3 44.1 20-3 27-2 30-6 38-4 40-5 41-0 44-1 46-0 46-5 47-8 48-0 48-2 49-0 49-3 50-1 21-9 29-6 33-3 41-9 44-3 44-9 48-3 50-4 50-9 52-0 52-2 52-4 52-7 53-4 53-8 54-6 23-5 3-1 36-4 46-3 49-2 49-8 53-9 56-1 56-7 58-1 58-3 58-5 58-7 59-5 59-9 60-7 ≥ 2500 - 2000 24.1 32.6 37.0 47.7 50.8 51.5 55.7 58.0 58.7 60.1 60.3 60.5 60.7 61.5 61.8 62.7 25.3 34.7 39.6 52.1 55.8 56.6 61.7 64.5 65.2 66.7 66.9 67.1 67.4 68.2 68.5 69.4 26.1 35.9 41.2 55.6 60.0 61.0 66.8 70.1 71.0 72.9 73.2 73.4 73.7 74.5 74.9 75.7 BOC 26.3 36.5 42.2 58.2 63.4 64.5 71.1 75.0 75.9 78.4 78.6 78.9 79.2 80.1 80.4 81.3 26.4 36.6 42.4 58.7 64.4 65.6 72.5 76.6 77.5 80.1 80.4 80.7 81.0 81.9 82.2 83.2 26.5 36.7 42.5 59.5 65.5 66.7 73.9 78.2 79.2 81.8 82.1 82.4 82.9 83.7 84.1 85.0 26.6 36.8 42.6 60.1 66.4 67.8 75.6 80.1 81.2 84.1 84.4 84.7 85.2 86.1 86.5 87.4 26.6 36.8 42.6 60.5 67.0 68.5 76.8 81.6 82.9 86.3 86.8 37.1 87.6 88.5 88.9 89.8 2 800 26.6 36.9 42.8 60.9 67.6 69.2 78.0 83.4 84.8 88.5 89.0 89.6 92.1 91.2 91.5 92.5 26.7 36.9 42.8 61.1 67.8 69.5 78.9 84.5 86.0 90.6 91.4 92.2 92.8 93.9 94.3 95.2 40C 304 26.7 37.0 42.9 61.1 67.8 69.6 78.9 84.9 86.5 91.4 92.3 93.3 94.0 95.2 95.7 96.7 37.0 42.9 61.1 67.8 69.6 79.0 84.9 86.6 91.8 92.7 93.8 94.7 96.3 97.0 98.4 37.3 42.9 61.1 67.8 69.6 79.0 85.0 86.6 91.9 92.8 94.0 94.9 96.7 97.6 99.5 26.7 26.7 37.0 42.9 61.1 67.8 69.6 79.0 85.0 86.6 91.9 92.8 94.0 94.9 96.8 97.81CO.C

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_ 6374

USAF ETAC 100 04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DISOLETE

SL.PAL CLIMATOLOGY BRANCH USAFETAC

AI- WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

SRAFENHOHR AAF DL

73-81

-508-6500 --- 8£c---

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							vis	BILITY STA	ITUTE MILE	5						
i FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2	≥ 2	2	≥1.	≥1	2.	ž ,	≥ .	≥ 5 '6	7.	<i>\$</i> .
NO CEILING ≥ 20000	7.4		1 . 8			15.5		19.7	19.7	-	19.0	23.0	27.7	25.4	27.4	20.5
≥ 18000 ≥ 16000	8 • 1 - 8 • 1		12.3	17.2	18.7	19.7	20.1		21.0		21.4	21.5	21.5	22.0 22.0	22.5	22.5
≥ 14000 ≥ 12006		13.6		17.2	18.7	19.7	20.1	21.0	21.ni	21.4	21.4	21.5	21.5	22.0	22.0	22.5
≥ <0000 ≥ 9000	9.3	12.0	13.4	18.6	20.1	21.3	21.7	22.5	22.5	22.9	22.9	23.1	23.1	23.5 23.9	23.5	24.1 24.5
≥ 9000 ≥ 7000	9.7 11.1	12.9	14.4	19.6 20.6	21.5	22.8	23.2 24.8	24 · 3 25 · 9	24.3	25.0 26.6	25.0 26.6	25.2 26.7.	25 • 2 26 • 7	25.6 27.1	25.6 27.1.	26 • 2 27 • 7.
2 6000 3 5000	10.9	14.4	16.1	21.5	27.0	28.3	28.8	30.1	30.1	27.6 30.8	27.6 30.8.	27.7 30.9.	27.7	28.1 31.3	28.1 31.3.	28.7 31.9.
≥ 4500 ≥ 4000	13.6	18.9	21.3	27.Q	3:.8	32.0	32.7	32.9	34.0	34.7.	33.6 34.7	33.7 34.8	33.7	34 • 1 - 35 • 2	34 • 1 35 • 2.	34.7
2 3500 2 3000 2 2500	13.3	20.8	26.1	30.8 35.2	38.3	39.6	40.7		42.2	42.9	38 · 2 42 · 9.	38.3 43.1,	38.3 43.1	38.7 .43.5,	35.7 43.5.	79.3 44.1.
2 800	20.6 23.6	29.8	28.4 32.4	39.3 45.3	49.4	44.1 50.6	45.3 52.3	54.3	47.0 54.3	47.8 55.1,	47.8 55.1.	48.0 55.5,	48.0 55.5	55.9	55-9-	56.5.
2 1500 2 1200	24 • 1 25 • 5	32.2	35.1	46.3 49.5	50.5 54.8	56.2	53.4 58.6		62.6	56 - 2	56.2 61.8	56.6. 62.2.	56.6 62.2	57.1 62.7.	57.1 62.7,	63.4.
2 1000	26.9 26.9		36.9 38.2 39.6	53.8 56.1 57.1	60.1 63.5 64.5	61.8 65.3 66.3	68.5	67.1 71.7 73.6	71.7	73.3	68.5 73.7	74.1 75.9	74.1	69.4 74.5 76.4	14.5. 76.4	75.2
≥ 800 ≥ 700	26.9 27.4	34.3	38.6	57.9 61.1	65.9 69.1	67.8 71.2	71.3	75.4	75.4	76.9 81.8	77.3.	78.0 82.9	78.0		79.0.	79.7.
≥ 600	27.4 27.4	35.7	42.4	62.1 62.1	7.0.8	72.9	77.3		82.2	84.9	85.6	86.3	86.3	87.3		88.2
≥ 400 ≥ 306	27.4	35.7	47.7		71.6	73.8 73.8	79.3	85.0	85.7	89.0	89.7	90.3.	93.9	91.9.	91.9.	92.6
200	27.4	35.7	40.0	62.7	71.7	74.0	80.6		88.0	92.0	92.9.	93.7.	94.7	96.1.	96.5. 98.3	97.2
	27.4			1	71.7			!		92.2		94.5	95.8	97.5	98.31	-

USAF ETAC 2004 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLESAL CLIMATOLOGY BRANCH USAFETAC Alm Weather Service/Mac

# CEILING VERSUS VISIBILITY

1 547. GPAFENWOHR AAF DL 73-81

YANGH HAM

PERCENTAGE FREQUENCY OF OCCURRENCE

CEILING							viS	IBILITY ST	ATUTE MILI	£5						
FEE?	≥10	≥ 6	≥5	≥4	≥ 3	≥2.	≥ 2	≥1:	≥1.	≥+	≥ .	≥ .•	2	≥5 6	٠.	,
NO CE.:N° ≥ 2000x	7.7	9 • 3 4 • 5		15.1 15.6		16.9	17.7	18.3		18.4 19.0		19.4	19.5	19.4	19.4	2C • 1 25 • 9
≥ 18000 ≥ 16000	8 . 1 5 . 1	9.7 9.7	17.7 17.7	15.7 15.7	17.5 17.5	17.6 17.6	18.4	18.9	19.0 19.0	_	19.4	19.4	19.7	20.6	20.8	21.4
≥ 14000 ≥ 12000	3.1 8.1	9.7	1 .7	15.7 15.7	17.5 17.5	17.6	18.4 18.4	18.9	19.5		19.4	19.4	19.7	20.6	20.8	21.4
≥ 9000 ≥ 1000€	8.7	10.3	11.6	16.9	18.7	18.4	19.2 19.6		20.5 20.4	20.4	20.4	20.4	2°.6 21.9	21.6	21.7	22.4
≥ 8000 ≥ 7000	9.3	11.6		18.8	20.8	21.0	21.8	22.5	22.6	23.1	22.1	22.1	22.4	23.3	23.4	24.1 25.1
2 6000 2 5000	11.9	14.7	15.3	22 - 1	24.3	24.6	25.4	26.1		26.7	23.9 26.7	23.9 26.7.	24 • 2 27 • 3	25.1 27.9.	25.3	25.9 28.7.
2 4000 2 3500	14.8	16.7	19.6	27.6	27.5 30.0	30.3	28.8 31.3	32.0	32.1	32.7	30.2 32.7.	30.2 32.7	30.4 32.9.	31.3 33.9,	31.5 34.C.	32 • 1 34 • 7
2506	16.1 17.5	22.0		32.1	32.7 35.2 37.4	35.4	37.6	35 • 1 38 • 4		39.0	35.7 39.0	35.7 39.0,	36.0	37.0, 40.2,	37.2 42.5.	37.8 41.1
2006 800	21.2	27.1	29.1	41.1	44.7	37.7 45.1 47.2	47.4	40.7 48.4 50.5	48.7	41.5 49.6 51.9		41.5 49.7	41.8 50.3,	42.9 51.1.	43.0 51.2.	43.7 51.9
2 59L	22.9		32.5	46 - 3 50 - 5	51.1	51.6 57.0	54.5	55.7 63.0	- i	57.1	57.3	57.4	57.7.	53.3 58.7.	53.4 58.9,	54.1 59.5
± 000 • 900	25.4	34.3			60.4		67.2	69.6	70.4	72.1	64.7 72.5 75.1	72.6 75.3	72.9;	66 • 1 <u>73 • 9.</u> 77 • C	74.1.	67.1 74.9
2 700	25.5	34.5			63.8			74.2	75.4	77.1	77.5	77.6	77.9	79.6. 84.0	77.1 <u>79.8;</u> 34.1	77.9 86.6 84.9
· 500	26.6	36.1	39.8 39.8	60.1	69.2			80.4	81.6		84.4	84.5	84.9	86.6. 88.4	88.5	87.6 89.3
± 400 ± 300	26.6 26.6	36.1		60.7	69.8		78.7	83.1	84.5		87.6	88.1	88.6	99.3		91.5
2 20x	26.6			60.7		70.9	80.4	85.8 85.8	87.7	91.5	91.9	92.7		95.6	96.0	97.4
	20.6	36.1	39.8	60.7	77.1			85.8	87.7				93.8			

(FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 756

USAF ETAC 100 0-14-5 (OL A) Mevious Epitions of this FORM ARE DISOLETE

CLIBAL CLIMATOLOGY BRANCH ...SAFETAC AID \*\*EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

Seap-peac

CEILING	•						VIS	ABILITY STA	HILLI	15						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥?	. ≥ 2	≥1 :	≥1.	· <u>ح</u>	2 .		·	23 6	٠.	2.
NO CEIUNG 20000	5 • 3 6 • 4	7.8 3.7	9.5					16.2 17.2			16.2	16.2	16.3 17.4	16.7 17.8.	16.9	17.2
≥ 18000 ≥ 16000	5.5	8.3 8.3	9.7		15.5 15.6	15.7		17.5 17.6	17.5	17.5 17.6.	17.5 17.6	17.5	17.5 17.8	18.0	19.3	18.9
≥ 14000 ≥ 12000	6 • 6 6 • 3	8.5 8.6	9.7	14.3		15.8	16.7	17.6 17.9		17.6	17.6	17.6	17.8	18.1	18.4	19.0
≥ 10000 ≥ v200	7•2 . 7•2	9.1 9.1	10.5	14.8	16.5 16.5		17.6	18.8		18.8	18.9 19.0	18.8	19.9	19.3	19.5	20.2
2 8000 3 7000	7 • 8 5 • 6	9.8 10.9	11.2	15.7 17.1	17.6 19.0	17.9	-	20.6		20.7		27.7	27.8	21.2	21.5	22.1 24.6
≥ 6000 ≥ 5000	9.1 9.6	11.4	12.9	17.8	19.7 21.2	19.9	21.6	22.9		23.0. 24.6		23.2	23.5	23.9 25.5.	24.1 25.8.	24 • 8 26 • 4.
≥ 4500 ≥ 4000	11.2	12.6	14.2		23.8	-		27.5	(				28.1	28.5	29.7 30.7.	29.4
2 3500 2 3000	12.1	15.2			- 1	28.5		32.3					33.2	33.6. 38.1.	33.A 38.3.	34.5
2500	15.5	19.0						39.8				40.7 48.3	41.1 48.7.	41.6	41.9	42.5 50.1
2 1800 2 1500	18.8 20.1	23.9 25.8	26.8	1				48.8 53.8			49.9 55.2	50.2 55.4	5~.6 55.8,	51.1 56.3.	51.3 56.7.	52. 1 57. 3.
≥ 1000 ≥ 1000	21.3 22.1	23.4			56.4	57.5		61.4		63.5	63.7 70.0	64.0 70.2,	75.6	64.9 71.1	65.3 71.5.	65.9
2 800 ≥ 800	22.1	30.7 31.0	36.1 36.7	53.3	58.5 60.3	61.3	67.0	69.6 72.3	72.9	75.4	75.7	73.2 76.0	73.6 76.6	74 • 1 77 • 1.	74.6 <u>77.7</u> .	75.2 78.3
2 600	22.3	31.8	37.8 38.2	56.3	64.8		72.2	78.0	78.8	79.3 81.9	82.4	79.9 82.6		81.2 84.2	51.7 84.5.	
: 500 2 400	22.7	32.2 32.2	38.2	57.2	66.5		75.4		83.7	87.6	88.4	88.6.	89.4.	87.3 90.2	90.9.	88.1 91.7
2 300 2 200	22.7		38.2		66.7	67.9	76.2	83.5 84.0	85.6		91.7.	90.8 92.3	93.5.	94.9.	96.3.	27.7
xc	22.7	32.Z 32.Z	38.2 38.2	- 1				84.3	-						97.6 97.71	

TOTAL NUMBER OF OBSERVATIONS 783

USAF ETAC 2004 0-14-5 (OL.A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLCEAL CLIMATOLOGY BRANCH CLAFETAC ATH WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CELLING .							v-\$	BILLTY ST	ATUTE MILI	ES						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2	≥ 2	≥1.	≥1.	≥1	٤.	٠,	2	≥5 8	? .	
NO CENNU	3.9	5.1	3.1	11.2	12.6	13.0	14.4	15.0	15.C	15.1	15.2	15.4	15.5	15.5	15.6	15.8
- 2000C	4.3	6.6			15.1		16.9		17.8			19.2	18.3	18.4	18.6	18.7
2 18000	4.6	6.9	9.5	14.0	15.4	15.8	17.3	18.3	18.3	18.4	18.7	18.8	18.9	19.1	19.2	19. 4
3 5CY N	4.6	6.9	9.5	14.0	15.4	15.8	17.3	18.3	18.3	18.4	19.7	18.8	18.9	19.1	19.2	19.4
.÷ 14(Xx	4.5	6.9	9.5	14.3	15.4	15.8	17.3	18.3	18.3	18.4	18.8	18.9	19.1	19.2	19.3	19.6
2.298	4.5	6.9	9,5	14.4	15.8	16.1	17.7	18.7	13.7	18.8	19.2	19.3	19.4	19.6	19.7	19.9
	<b>4.</b> →	7.4	17.3	15.2	16.8	17.2	18.8	19.9	19.9	20.1	20.5	20.6	27.7	23.8	21.0	21.2
	5.1	7 . 8	10.7	15.6	17.2	17.5	19.2	20.3	20.3	20.5	20.8	21.0	21.1	21.2	21.3	21.6
2 H (K	6.5	9.8	12.8	19.1	20.7	21.2	23.3	24.8	24.9	25. 7	25.4	25.5	25.7	25.9	26.3	26.6
1 kk	6.1	11.4	14.5	20.8	22.7	23.4	25.4	27.1	27.2	27.3	27.7	27.8	28.3	28.2	28.6	24.6
• 6KH)K	3 • 1	11.4	14.5	20.8	22.7	23.4	25.4	27.1	27.2	27.3	27.7	27.8	28.7	28.2	25.6	78.8
5- 15- 14 R	9.5	12.8	16.3	22.9	24 . 8	25.4	27.4	29.2	29.4	29.5	29.9	30.0	30.1	30.4	37.7.	31.0
> <b>4</b> 56€	9.8	13.2	16.4	23.8	26.7	26.7	28.8	30.9	31.0	31.1	31.5	31.6	31.8	32.0	32.4	32.7
* 4484	10.2	13.6	16.9	25.0	27.3	28.0	37.2	32.3	32.4	32.5	32.9	33.0	33.2	33.4	33.8	34.1
* 150	11.3	15.1	18.8	27.8	30 • Z	30.9	33.5	35.8	36 . r	36.1	36.5	36.6	36.7	37.0	37.4	37.6
* 100	12.7	16.8	21.3	30.5	33.0	33.7	36.8	39.1	39.3	39.4	39.8	39.9	42.0	40.3	40.7	42.9
2590	15.0	19.9	24.3	34.9	37.6	38.2	41.8	44.5	44.6	44.7	45.1	45.2	45.4	45.6	45.0	46.3
· Juny	17.9	24.0	29.8	40.7	44.0	44.9	48.8	51.7	51.8	52.1	52.5	52.6	52.9	53.1	53.5	53.7
BOL	D. 61	24.3	29.2	41.2	44.5	45.4	49.3	52.5	52.6	52.9	53.2	53.4	53.6	53.9	54.3	54.5
59k	19.7	27.3	33.0	45.9	49.6	50.8	55.1	58.4	58.6	59.3	59.8	60.0.	60.2	60.7	61.1	61.4
- 20K	27.3	23.3	34.9	49.3	53.7	55.0	59.8	64.4	64.5	66.2	66.7	66.8	67.2	68.0	68.4	68.6
	20.8	29.1	36.3	52.5	57.9	59.2	64.4	69.6	69.8	72.0	72.6	72.7	73.2	74.C	74.3	74.6
* 6 X	2.7.8	29.2	36.5	53.4	59.2	63.5	65.8	71.2	71.4	74.2	74.7	74.8	75.3	76.1	76.5	76.7
3 80	27.8	29.5	36 . 8	55.0	61.2	62.5	68.0	73.8	74.1	77.5	78.0	78.3	78.9	79.7	80.1	ED.3
3 700	21.7	29.6	37.7	56.2	63.5	64.8	70.5	77.0	77.4	81.3	82.1	82.3	83.0	83.7	84.1	84.4
	21.9	29.9	37.2	57.1	64.8	66.1	72.3	79.3	79.7	84.0	84.9	85.1	85.9	86.7	87.0	87.3
500	21.1	30.0	37.6	58.1	66.3	67.6	74.3	82.2	82.7	87.4	88.4	88.7	89.5	90.7	91.1	91.6
<u></u> 40€	21.1	30.0	37.6	58.1	66.5	67.7	74.7	82.6	83,4	88.9	90.2	90.5	91.4	92.6	93.3	93.8
. 30c	11.1	30.0	37.6	58 . 1	66.5	68.J	75.3	83.7	84.5	90.6	92.0	92.2	93.3	95.2	95.8	96.3
. 20€	21.1	30.0	37.6	58 . 1	66.5	68.0	75.3	83.7	84.8	91.0	92.5	92.9	94.2	97.0	98.0	99.1
- 50	21.1	30.0	37.6	58.1	66.5	68.0	75.3	83.7	84.8	91.4	92.9	93.3	94.7	97.5	98.5	99.6
[ 호 : 기 :	21.1	30.0	37.6	58.1	66.5	68.0	75.3	83.7	84.8	91.4	92.9	93.3	94.7	97.5	98.5	100.0

USAF ETAC 1.164 0-14-5 (OL A) Mevious epitions of this form are desoute

SLIBAL CLIMATOLOGY BRANCH SAFETAC Al- \*EATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

SPAFENHOHR AAF DE

73-81

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CERING							VIS	BILLITY STA	ATUTE MILI	ES						
FEE"	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.	. ≥2	. ≥:	≥1.	≥1	2 4	2 1	2	≥5 16		
NI. CEILING : 20000	8.3 C.D.	11.1					1	18.1	18.1			18.3	19.3	13.3	18.3	18.3
≥ 18000 ≥ 15000	13.0	14.0			21.1	21.9	23.3		23.3	23.8	23.8	23.9	23.8	23.8	23.8	23.3
≥ 14000 ≥ 12000	13.7 0.01	14.0		20.4		22.5	23.7	1 7 7 1 1	23.7 23.9		24 . 2	24.2	24.2 24.5	24 • 2 • 24 • 5	24.2 .24.5.	24.2 24.5
≥ '0000 ≥ 9000	10.5 10.6	15.2	17.4	22.2	24.2	25.0	25.7	27.0		27.8	27.8	26•2 27•8	26 • 2 27 • 8	26.2 . 27.8	26.2 . 27.8.	26.2 27.8
≥ 9000 ≥ 7000	12.7	19.7	22.3	28.7	30.3	31.4	30.7 33.5	33.7		34.4	34.4.	34.4.	31.6 34.4	31.6 . 34.4.	34.4.	34.4
2 6000 2 5000 2 4500	14.7	19.8	23.9	30.9	32.5	33.5	35.9		36.0	36.7	36.7.	34.7	34.7	34.7 36.7	36.7.	34.7 36.7
2 4000 2 3500	15.0 16.1	22.3	25.4	32.0 33.5 36.9	35.3	35.4	37.1		37.3 38.9	40.1	40.1	40-1	42.1	. 40-1.	42.1,	38.7
2 8006 2 2500	22.0 25.4		32.7	41.9		45.1	47.6		48.0	49.2	49.2		49.2	49.2	43.9 49.2.	43.7 49.2 54.3
± 2000	28 0	36.1	39.6	50.4	. 1	54.5	57.5	1 1	58.4	60.3		61.5	62.3	63.3		60.3
2 1500- 200	31.6	40.2	443	56.7	59.8 64.5	61.3	64.8	66-1		68.1	68.1. 74.0	68.2	68.2	68.2		68.2.
2 1000	32.1 32.3	42.5 42.6			69.4 70.6		75.8	77.3 78.5			80.0 81.3			82.2		80.8 82.2
2 800	32.4 32.4		47.6	67.1	73.6	76.1	81.0	83.5	81.4			85.4		86.C	89.0	86.0 89.0
. 2 600 2 500 3 400	32.4 32.5	43.0	47.9	68.4	75.9	78.5	84.0	88.6		92.6	93.3		94.5	94.9	94.9	
2 300 2 200	32.5 32.5	43.0	47.5	68.4	75.9	78.6	84.6	90.3	91.2	94.8		96.2		97.8	97.8	98.1
	32.5		47.9	68.4	76.1	78.7	84.8	90.7	91.5	95.1	96.7	96.8	97.7	98.8		99.7.
<u> </u>	32.5	43.0	47.9	68.4	76.	78.7	84.8	90.7	91.5	95.1	96.	96.8	97.7	98.8	99.5	2.0.2

USAF ETAC FORM 0-14-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLERAL CLIMATOLOGY BRANCH ESAFETAC AIS WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1538-170C

CEUNG							v.5	8:01 51	ATUTE MUL							
, EE.	≥10	≥ 6	≥ 5	≥ 4	23	≥2.	2.7	≥ .	21.	21	≥ .	2 •	2	≥ 5 16	2.	<b>≥</b> 0
NO 1 ETUNG 1 20000	11.1 12.1		14.3							19.7					19.8	
≥ (8000 ≥ (80X)	12.5 12.5	17.1 17.1			24.1 24.5	-				25.9 26.3		26.J 26.4	26.0 26.4	26.0 26.4	26.0 26.4	26.2 26.5
≥ 14000 ≥ 12000	12.5 12.5	17.1 17.1			24.6		_	26.3 26.4		26.4 26.5		26.5 26.7	26.5 26.7	26.5 26.7	26.5 26.7	26.7 26.5
≥ 10000 ≥ 9000	12.5 13.3	18.4	19.3	24.9	25.9	26.3	27.8	27.2 28.6	28.6.	26.7	27.3 28.7	27.4 28.9.	27.4 28.9	27.4	27.4 <u>28.9</u> ,	29.2.
≥ 800°C ≥ 7000	14.6	22.0	23.7	30.5	32.0	32.3	34.7	35.6	35.6		35.8	33.5 36.0	33.5 36.7	33.5 36.2	33.5 .36.0.	36.1.
2 6000 5 5000		23.3	25.4		34.3	34.7	37.0	37.9	37.9		38.1	38.3.	36.3	36.3 <u>38.3</u>	36.3 38.3.	38.4.
* 4500 * 4900 2 1500	18.7	24.2 26.0	23.2	36.2	37.6	38.D	40.9	41.8	41.8	42.1	42.1	39.9 42.3 44.7	42.3	42.3	39.9 <u>42.3</u>	42.4
2 1000		3 . 9	33.4	41.8	43.6	43.9	47.4	48.3	48.3	44.6: 48.8; 54.6	48.8	49.7		49.2	44.7	49.1
2000	29.5	38.4	41.5	51.4	54.4	54.9	59.C	60.2	67.2		61.5	61.7		61.7	54.9 61.7 64.6	61.9
2 1500	31.2		46.4	58.0	61.6	62.2	66.9	68.C	68 . n		69.5	69.7	69.7	69.7	69.7; 76.7.	69.8
≥ 10t > 90¢		44.3		64.9	70.1	71.3	76.8	78.4	78.6	8C.5	81.3	91.7	81.7		51.7.	81.8
2 800	32.5 32.5	45.C	57.6	67.8	74.1	75.3	80.9	82.7	83.4	86.0	86.9	87.2			87.5 88.8	87.6
± 500	32.5 32.5		51.0 51.0		76.3					90.6			92.1	92.3		92.4
2 400 2 300	32.5 32.5	45.4		69.7	77.4	78.7	85.8	90.3	91.6	95.C	96.1	96.9	97.6	98.1	96.4 98.2	98.3
2 200	32.5	45.4	51.0	69.7	77.4	78.7	85.8	90.3	91.6	95.1	96.3	97.3	97.9	98.8	99.4	99.9
<u></u>	32.5	45.4	51.0	69.7	77.4	78.7	85.8	90.3	91.6	95.1.	96.3	97.3	97.9	98.8	99.4	0.03

USAF ETAC 100 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEBAL CLIMATOLOGY BRANCH SSAFETAC ATS AEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

<u> 1886-succ</u>

CEILING							VIS	IBILITY STA	LTUTE MILI	E 5						
'	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2. :	≥ ?	≥: -	≥1.	٠ .	2 4	2,	2	. ≥5 '6	2.	<b>≥</b> €
NO CEIUNG £ 20000	7.5 3.1	11.1		16.5				19.1 21.2					17.4	19.5	19.8	?1 22-3
≥ 18000 ≥ 16000	8 . 4 8 . 4	12.5	14.7	19.0		19.9	21.5	22.3	22.3			22.5	22.7	23.1 23.1	23.3	23.6
2 14000 2 12000	8 • 4 8 • 4	12.5	14.1	19.0		19.9	21.5	22.3	22.5	22.4	22.4	22.5 22.8	22.7	23.1 23.3	23.3 23.6.	23.6 23.9
≥ 10000 ≥ 9000 ≥ 8000	9.7	13.4	14.3	20.6	21.5	21.8	23.6	23.7	24.4	24.5	23.9: 24.5	24.0 24.6	24.8	24.5 25.2	25.4.	25.7.
≥ 7000 ≥ 7000 ≥ 6000	10.0 10.5	15.0		25.0	25.3	26.6	28.7	28.0 29.8	29.8	30.1	30.1.	30.3		33.8.	29.1 31.1	31.3
2 5000 2 4500	10.7 11.7	17.4	T	27.3		29.1	31.3	30.3 32.4. 35.1	32.4	32.8	32.8.		37.9 33.5	31.3 - <del>33.4</del> .	31.6 33.7.	33.9.
2 4000 2 3500	15.2	21.6 24.8	23.9	32.4	34.2	34.5	37.2	38.3	38.3	38.8	38.8.	38.9	39.1	36.2 .39.4. .43.4	39.7.	36.7 45.5
z 1906 z 2500	27.1		30.7	40.5	42.6	42.9	46.1	47.2 52.2	47.2	47.7	47.7.	47.8			48.6.	<u>46.9</u> .
2000	24.2	33.8 35.0	37.6		54.5	54.9	59.0	63.2	60.9	61.5	61.5.	61.6			64.6	64.9
2 1500		37.0 38.5			61.5 65.4			73.1					76.7		71.6. 77.5	71.8. 77.7
2 :000 - 900 - 800	23.4	39.8 39.8	45.2	61.9	68.5	70.0	76.4	79.4	79.7	_	81.1	81.3	80.5 81.5	82.4	61.4. 62.7	81 <u>.9</u> 83.2
2 700	28.4	39.8 40.2	46.3		72.0		8 • 3	83.6	83.9				86.1		67.4	
: 500 2 400	28.4 28.4 28.4	40.2 40.2	46.4			76.4	84.5	87.3 88.9 89.8	89.1	91.2	91.6		92.5	93.4		94.4
2 300 2 200	28.4	40.2	46.4			76.9	85.2	90.0	90.8	93.1	93.6	94.1	95.2	96.3	96.9	
J	28.4		46.4	67.1	75.4	76.9	85.2	90.0 90.0	90.8	93.2	93.7	94.2	95.3	97.1	98.3	99.7

USAF ETAC 100 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESOLETE

SL:PAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

STATION GRAFENHOUR AAF DL

USAF ETAC NA 0+14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

				PE				ENCY Y OBS			RENCE				<del>-1</del> ++	-2363
(EUNG	·						viS	181. ** ST	ATCTE MIL	£ <					- •	
145"	<u>≥</u> 10	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥;	<u>&gt;</u>	21.	<u>&gt;</u> i	· ·	≥ •	·	25 5	•••	 
NE		11.4						23.7						21.5	21.8	23.9
≥ 18000 > 6000	৪ - ব	12.2	15.	19.3		21.8	22.4	23.3	23.5	23.6	23.9		23.9	24.2 24.2	24.4	24.9
≥ 14000 ≥ 1000	3.3	12.2	15.7	19.3	20.8 21.0		22.4	23.3 23.5		23.6	23.9	23.9	23.9 24.0	24.2	24.4	24.9 25.£
5 8000 € ,0000		12.5						24 • 2 24 • 3		_	24.7	24.7	24.7 24.9	25.0 25.1	25.3 25.4	25.7 25.8
2 900KC 2 70000		14.4		- 1				27.1 29.2						27.9 35.1	28.2	28.6
₹ 6000 ₹ 5000		15.7 17.5						29.4 32.5						33.4 33.5		
≥ 4500 ≥ 4000	12.8 14.3	15.9	21.8 23.6			33.1 35.7		35.4 38.1				36.1 38.9		36.4 39.2	36.7 39.4	
2 3500 2 3000	15.6 17.1													42.9 47.4		
2 2500 3 2000		28.3 32.8												53.9 62.8		
2 180€ 2 150€		33.1 34.6			. 1			62.5 67.8			63.2	63.5	63.5 69.2	63.8 69.4	64.3 59.7	
2 (000 2 (000		36.5 37.5		;				74 • 2 77 • 5				75.7	75.7 79.0	_	76.3 79.7	76.7 81.1
9000 2 800		37.5 37.6		62.8	7~.7	72.2	77.9		81.0	81.9	82.2		82.9	80.6 83.5		84.2
2 600 2 600	26.5	38.5 38.5	43.8	65.4	74.0	75.7	82.1	85.3	85.6	86.8.	87.2	87.8	87.9	86.0 <u>88.5</u>		
+ 500 2 400	26.5	38.5 38.6	43.9	66.9	76.1	77.8	85.3	87.6 88.6	88.9	90.7	91.3	91.9	92.5	92.1 93.3	93.6	94.0
± 300 ± 200 − − − −	26.5	38.6	44.0	67.2	76.5	78.2	85.7	85.4	90.0	92.8	93.5	94.6	95.6	94.9	97.6	98.5
·)t														96.9		

CL RAL CLIMATOLOGY BRANCH . AFETAC AIR \*EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION -	GRAFENWOHR AAF OL	73-81	BEC
		PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	

CEIUNG							¥151	BILITY STA	TUTE MILE	5						
· FEE7	≥10	26	≥ 5	≥ 4	≥ 3	≥2. '	≥ 2	≥:	21	≥ 1	2 .	≥ ,	2	≥5 0	> .	2.
NO CEUNG ± 20000			11.4					18.3					19.6	13.9	17.7	17.2
2.0081 ≤ 3.4000 ≤	2.3	11.4	13.1	17.8	19.1	19.5	20.6	21.3	21.3	21.5		21.7	21.8	22.1	22.2	22.6 22.7
≥ 14000 ≥ 12000	8.3 3.8	11.4	13.1		- 1		- 1	21.4 21.6			21.8	21.8	21.9	22.2	22.5	22.7
> 9000 > 9000	8 • Al	12.1	14.2	18.9 19.3	27.3	21.3	22.5	22.7 23.3.	23.4.	23.6.	23.1 23.7	23.1 23.8.	23.2	23.5 24.2.	23.7	24.7.
£ 7000	10.0	14.7	17-1	23.2	25.0	25.7.	27.2		28.3	28.7.	28.7.	28.9.	29.0	29.3.	29.5.	29.3.
5000	11.2	16.8	19.1	25.9	27.B	28.4	30.0	28.7 31.1 33.5	31.1	31.5.	31.6.	31.7.	31.8	29.9 32.1.	32.3.	32.7.
4°+*	. 14.3	12.4	21.3	29.7	31.9	32.6	34.5.	35.6. 38.9	35 . 6.	36.1.	36.2.	36.3.	36.4.	36.7.		37.2.
2 700	. i8.7	24.7	26.9	36.1	38.6	39.3	42.0	43.2	43.3	43.8	43.9.		44.1	44.5.	44.6.	
1800 2 1500	. – – – –		33.9 34.7	47.3	50.9	51.7	55.1	55.2, 56.9	57.n	57.9	58.0	56.5. 58.1		57.C. 59.6	57.1. 58.8	57.5. 59.2
2 1200 2 1000	26.2	35.3	47.7	55.3	60.5	61.8	66.3	69.0	69.1	7ú.5	70.7		71.1	71.5	71.7	72.1
90C 3 800			41.9		65.5	66.8	72.1	73.7, 75.3 77.8	75.6	77.6	78.0			77.1. 79.1	.11.3. 79.3 42.4	77.1 79.7 82.8
≥ 700 ≥ 600	27.1		42.9			70.9	76.7	80.5: 83.1:	81.0		84.0		84.7 87.8	85.5 88.6	85.7 38.8.	86.1
2 400 2 400	27.2	37.6 37.6	43•1 47•1	63.6 63.8	71.9			85•1 86•4					90.5 92.3	91.3 93.2	91.5	94.1
2 300 2 700 	27.2	37.6 37.6	43.1	63.9	72.5	74.1	31.7	87.4 87.6	88.7	92.7.	93.6	94.3	95.3.	96.9.	97.6.	
· · · · · · · · · · · · · · · · · · ·								87.7								

USAF ETAC .... 0+14-5 (OL. A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLIPAL CLIMATOLOGY PRANCH ISAFETAC AI WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS

CEILING							¥.51	BI. TY 514	A""E M LE	<b>S</b>						
*66*	≥:0	≥ 6	≥ 5	≥ 4	≥ 3	≥2	2.1	≥	2. •	21	: •	٠.	2	25 6		≥ ;
20000	1000		24 • S. 23 • 4								33.3		37.6	34.1	34.2	34.5
2 -8000 3 - 6000	15.9	26.7	28.9	34 • 1	35.6	35.9	37.4	38.1	38.3	36.9			39.4	39.8	47.7	43.5
≥ 14000 2 -700t		26.8 27.3	29.1 29.6							39.1 39.7			39.5	43.7	40.0	45.7
2 9000 2 9000			31.2 31.ε											42.9 43.8	43.1	43.5
2 RC00 2 7000	2 + • 1	33.7	35 • 2 36 • 6	43.3	45.3	45.7	47.6	48.6.	48.5	49.6.	49.6.	52.2.	52.2	50.6.	48.8 50.9	49.2 51.4.
6000 - 5000	45.7	36.3	37.1 39.4	46.6	48.8.	49.2	51.3	52.4.	52.6.	53.4.	53.6	53.8.	54.7	54.5.	54.6.	32 • 1 25 • 2.
4500 4000	29.8	40.3	41.2 43.5	52,0	54.4	54.9	57.3.	58.5	58.8	59.8.	60.0	60.2.	67.4.		.61.2.	58.7 <u>61.</u> 7.
2 100 2 100 2 2500	32.7		46.1	59.0	61.9	62.4	55 • 2	66.7	67.0	68.1	68.3	68.5.	68.9	69.4.	69.7.	65.7 76.2.
200 - 200 - 80c	35.2	47.5	54."	65.1	69.5	69.1	72.4.	74.1.	74.5.	75.8.	76.0	76.3.	75.5.	72.7 71.1.	77.9	73.5 71.9.
	30.4	51.4	54.5 56.3 57.4	68.6	72.4	73.1	77.2	79.0.	79.4	85.8.	81.1.	81.4.	81.7.	82.2.	32.5.	53.2
+ 1500 	37.1	52.8	58.1 58.3	72.1	76.8	77.6	32.3	94.7.	85.3	37.2	87.5	87.5	89.1.	88.7	36.1 89.7 97.0	89.5.
2 8/1	37.2	52.9	58 4	73.D		79.0	34.7	86.7	87.3	89.3	89.6.	93.3.	93.4.	91	91.3.	
· - :	37.3	53.1	5° • 5	73.7	79.1	8 1	85.6	38.7	89.4	91.7	92.1	92.6.	93.7	93.5	93.9	9.4 . 5.
÷ 400 → 300	37.3	53.1	58.5 53.6	73.9	79.4	8 7.5	86.4	89.9	90.7	93.5	94.0	94.5	95.1	95.5.		06.2
	37.3	53.1	59.6 58.6	73.9	79.5	80.5	86.5	90.2	91.1	94.2	94.8	95.5	96.2	97.4	99.2	79.6
	37.3	53.1	58.5	73.9	79.5	83.5	86.5	00.2	71.1	94.2	94.8	95.5	96.2	97.4	98.71	<u>. 13. 5</u>

USAF ETAC 1.04 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART E

#### PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

- Cumulative percentage frequency of occurrence derived from daily observations and presented by month
  and annual for all years combined. These tabulations provide the cumulative percentage frequency to
  tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and
  total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- 2. Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTES) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Thibes for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus vet-bulb temperature.

  This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\Sigma X^2)$ , sums of values  $(\Sigma X)$ , means (X), and standard deviations  $(\sigma X)$ . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.
  - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

L FAL CLIMATOLOGY BRANCH L FEITAC ATH LEATHER SERVICE/MAC

GRAFENHOHR AAF DL STATION NAME STATION

**DAILY TEMPERATURES** 

.62-81

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB	MAR.	APR.	MAY	JUN	JUL.	AUG	SEP	oct	NOV	D€C	ANNUAL
						- 45	1.9	. 1.6					. 4
. 5					8.	4.3.	10.0	. 5.5	3 .				. 1.6
ę ·				5	3.2	14.3	22.6	17.9	. 3.5.				5.3
75				. 9	13.9	31.2	38.4	36.9	12.4	1.0			11.5
7			8	4 . 8	24.1	49.3	55.6	54.7	29.5	3. 7			19.6
65			3.4	14.5	41.8	66.0	73.7	78.1	50.1	13.4	• 2	•	29.0
6		. 2	9.5	26.6	61.3	82.3	88.4	91.9	72.6	28.5	1.2	•	39.3
- 5		1.1	15.4	44.6	84.4	94.8	99.2	99.0	90.8	48.7	6.7		49.6
	• 2	5.4	28.5	62.4	93.4	99.5	100.0	100.0	98.5	71.8	19.1	3.1	57.7
4 ~	3.6	16.0	46.2	79.C	98.3				99.3			7.8	65.
40	15.5	34.8	70.6		100.0				100.0			20.4	75.0
3 :	38.2	63.1	90.2			•	,	•		100.3		45.5	85.2
3 .	69.5		96.9					•	•		96.8	76.2	94.
25	84.9		99.2					•		•	99.5	. 88.9	97.5
30	94.1		99.7			•		•		•	100.0	. 96.0	99.1
15	•	100.0				•	•			•	10010	. 99.0	99,8
1	99.8			•		•	•	•		•	•	. 99.7 .	
• •	ניםיג		•	•	•	•		•		•		.100.0	100.0
	. A.B.O.	• • •	•	•			•	•		•	•	.100.0	TUULL
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MEAN	32.2	37.1	45.1	53.4	63.1	69.2	71.7			54.5.		33.9	. 53.
5 D.	7.418	7.340				9.182	9.213		8.037	8.340.	7.722	7.581	16.549
TOTAL OBS	581	537	589	567	589	600	619	620	599	620	597	604	7122

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

2

SUPAL CLIMATOLOGY BRANCH PRESTAC ATTACATHER SERVICE/MAC

STATION STATION STATION NAME

62-81

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MINIMUM

**DAILY TEMPERATURES** 

TEMP (*F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG	SEP	oct	NOV	DEC	ANNUAL
(5		, .			2	+		-					. • \
					3	1.2	. 3.9	. 2.7	_		_		
5. <b>5</b>					2.4	14.0	24.2	22.4	5.5		•	•	5 6
50			. 3	. 4	15.4	47.8	61.6	55.3	24.2	6.5	8	•	18.2
45		• 2		•	37.0	72.2	A 3 . 5	78.9	50.6	16.8	3.2	1.0	30.0
L; "	. 5	. 9			62.8	89.8	97.4	93.4	75.0	35.2	10.9	3.6	42.1
35	6.2		20.0			98.5					32.8	11.3	55.7
33	12.2		30.7			99.2				73.6	44.6	10.0	61.9
7.0 °	30.5	, 7m	53.8	•		100.0				. !	. 1799	. A?9¥ .	74.0
25 *	52.0		75.6						100.0	. 96. d	86.9	60.6	
2:	67.5		87.1					-	TKAN				85.6
15						-			•	99,4		. 74.3 .	
10	77 <u>.1</u> 34.2		9 <u>2.9</u> 96.1				•	-	•			. 82.8 .	
. 19					•	•		•	•	.100.J	99.2		. 95,7
- ମୁ •	89.5	94.8	97.8	•		•	•		•		99.7		98.0
*			. 992			•	•	•			0.001.		
	95.7		. 99.7			•		•.				. 98.J .	
-10			100.0			•						. 99.3 .	
-15		99•₿		,								. 99•8 .	99.9
-2:	130.0	100.0	<b>.</b>			+						.100.0 .	100.0
				<b>.</b> .		•			•				_
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			•	+		•	<b>+</b>	•	<del>-</del>	•	•	• •	•
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	e e jestig	. <u> </u>					<del></del>	*····	<b></b>	<u> </u>		, ,	
 MEAN	21.8	24.1	28.4	34.0					44.1				. 36.3
	11.7531											1.045	
TOTAL OBS.	581	537	589	567	589	600	619	620	599	620	597	604	7122

SUBBAL CLIMATOLOGY BRANCH

SSEETAC

ATT REATHER SERVICE/MAC

1 6870 GRAFENHOHR AAF DL
STATION NAME

**DAILY TEMPERATURES** 

62-81

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MEAN

TEMP (*F)		JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL. 1	AUG	SEP	OCT	NOV	DEC	ANNUAL
. 7								. 1.1	3					
7	•				_	. 7	3.2	10.2	7.3	2		-	-	1.9
ŕ	5 "	· •		• •		3.4	21.8	31.0	25.2	4.8	•	•	•	7.4
<u> </u>	- *	•			1.1	14.0	A 7 E	. ZARM.	. 62.76	. 79 <u>9</u> .	• • •	•	•	17.4
	. "			٠ .	.49.4	74 0	. 3112	. 3293	. 22.45	. 6693.	. 195		•	
-	, .			• • •	3 6 3	. 20.0	. / <b>2.e</b> / .	. 5.2.47	. 85.8	. 21.4	10.0	. • •		_ 30.1
				. 6.1.	Z1 • 0	. 68.1	. 90.3	. 99±0.	. 98.1	. 8 <u>0.</u> 5.	30.02	. 4.2	. •3	42.0
_ 4	- *	. • 3 ,	<u>1.7</u>	, <u>13.8</u> ,	45,9	92.0	. 99.5		.100.0	. 9 <u>6.</u> 3.	. 56.3	13.4	. 3.3	_ 52.7
	ο.	. 5 <sub>+</sub> 0,	10.6	. 35,8.	71.4	. 97.3.	700.0	•		. 99.8 .	84.2	. 35.0	. 7.9	. 63.
. 3	5	20.3	35.2	. 67.6.	93.5	100.0		_		.100.0	98.1	. 65.7	. 27.3	. 76.2
3		50.1	63.3	85.9	99.8			-	•		99.8	89.1	58-6	87.5
. 2	5	68.8	80.1	92.5	100.0		•	•		•	100.0	96.0	76.2	93.0
	ē .	80.6	92.6	97.8		•	•	•	*	•		99.0	85 0	96.4
	5	89.3		99.3		•	•	•	•	•		99.8	. VIII .	
	≠ <b></b>			77.2. 99.8.			•	•	•				7.2.9 7 .	. 98.1
1.	<u>.</u> .						•	•				.100.0	. Y Y	. 99.2
	J		99.8					•				<b>.</b>	. 28.5	99.
	ž.,		170.0				•		•				. 99.5 .	. 99.9
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						<del></del>		<del></del>	<del> </del> -	<b></b>		<b>4</b>		<b>.</b>
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								· •				*	<b>.</b> :	
MEAN	I	27.2	30.9	37.0	43.9	52.7	58.9	61.3	63.7	54.8	46.1	37.1	29.4	45.0
5 D.	1	9.120	7.713	7.679	6.484	6.571	6.426			5.856	6.36 ?	6.857		13.975
TOTAL OBS	- #	581	537	589	567	589	600	619	620	599	620	597	604	7122

USAPETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CELHATOLOGY ARABOH THIS SERVIC /MAC

2

**EXTREME VALUES** 

्रस्ट्रॉ**स स**्वर्थकर्डस्था

FROM DAILY OBSERVATIONS.

7 NAFELWONT BAF L

#### LINGLE DEGREES FARKENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JŲL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
		<del></del>				0.7:	a al	<del>7</del> ]	<b>-</b> 3	7,	' '	6.	
	a (*	35	1. 5	57	76	2.5	ટક	٥.	77.			٠	,
•	•	. 2	7.2	- 5	A 1	5 4	91	3:		66	٠,	u	
	ų.	30		': p	77	5 41	۲ã	2.5	7.	7 7	50.	. 4	<u></u>
£.	4.1	1 -		7 1	7.9	3 ₩;	P 1	٠,	7.9	7.4	7		
6		1		<i>:</i> 5	7.8	9	9		$\frac{7}{77}$	7.	, <u> </u>	٠, ٠	
<b>5</b> .	4.	47	l i	2 4	י 7	2 نے	6.3	7		67	ذ غ	٠ ١	, <del>-</del>
<del>'.</del>	11.4			7.4	f: E		9.7	<u> </u>	79	7 :	5 t <b>.*</b> 63		<u>:</u>
	<b>5</b> .	N 45	1 1	6.8	7.2	E (2)	56	5.2	<b>P</b> 3	6.5	63	14 15	ج.
	- 4	40		7 1	° 7	ع 7	91	71	75		<u>57</u> .		
	)	1	1 1	67	73	6.2	89	9 ;	7	50		4 /	<u> </u>
	3.			4	78	94	96	37	<u> 87'</u>	5.		3 .	£.
		·; – į	-	7.3	7 3	75	8.0	g a <sub>1</sub>	7-	5.1	7.3*	( 3	5
<del>- 1</del> 5	* 4	+		7:	8 5 G	- 8 1 9 3	93	8 41	= 87 5	73	<u>5,</u> ;⊭ 5,∤k	11 <b>4</b>	. 🛂
77		1 "		68	67	3.77	- 1	8 21				4.7	
7	¥ 3.		63	- 10 7 - 10 6	77	84	94	<u> </u>	<u>75</u>	7 3 p 6 9 r		; <b>=</b> 1	<u>3</u>
7^	*		5.7%		86	57	8 2	94 16		5 Y I			
<del></del>	6 4			7 2	7.3		81	9.	F 1		- 10 k 50 n	* 1 14 mg	· ·
	6 5				, , , , 1	9 8	84	54	, , , , , , , , , , , , , , , , , , ,	73.	57±		
			53						······································			<b>∀</b> ,₫	
					<del>-</del>			<del></del>	<del></del>	<b>.</b>			
								+	:				
MEAN	44.2			73	79.1	84.9	36.7	56.6	79.5	64.0	5 2 . 7.	95.3	85.
\$. D.	4.535				4.87				4.387			4.285	1,85
OTAL OBS.	5.81		589	567	589	600	619	620	599	623	497	4.4	712

HOTES \* (BASED ON LESS THAN FULL MONTHS)

1210 WS FORM 0-88-5 (OLI)

LIAT LEAST ONE DAY LESS THAN 26 OHS)

AL CLIMATOLOLY SPANCH PATHON SERVICE/\*AC

#### **EXTREME VALUES**

HT INCH TEMPERATURE

RHOLL DEGREES FAHRENHEIT

77 x	MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
			:				: :	41:	74	2.9		1.	-1-	· · · · · · · · · · · · · · · · · · ·
	5	1 -	-18	- 7	6	30		4.0	3.9		2.3			
6	-	- 5	9	0	` 7		3.3	34	34.	~ 7	7.			
6   -1   12   24   74   71   35   42   77   54   18   7   7   7   7   7   7   7   7   7	4.	_ i	- 3	-11	2.5	29	3 6	3 કો	34	7	24			-
6   -1   13   24   24   71   35   42   27   54   28   7   27   28   28   77   21   27   28   28   77   21   27   28   28   28   28   28   28   28	, <b>6</b>	,	24	72	2.7	3.2	3 8	39	3.7			15		
10	6	÷ 5°	2.3	24	74	* 1	إد 3 ع	4.2	7.7	34	. 4	•	5.	
19	J.	-	3	• ~	2.3	? 3	3.7	42	35	₹ 2	5	2.7	- ,	
1	<b>5</b> %	13	8	2.7	⊜ 4	3	3 9	4.2	<b>7</b> \$	* 1	37	100	-:,	<b>.</b>
1	,	1 7	-5	3		3 :	3.5	39	37	2.41	27	74	•	* =
10   15   19   33   30   37   72   14   17   18   19   19   19   19   19   19   19		-13	10	1	23	3.2	35	4 1	44	ا ۾ ج	2.34	12	١.,	
The control of the co			ر ۱	10	19	3.3	3 0	30	37	7.3	14	17		_
7 2 14 17 24 3 3 37 45 57 21 76 76 77 7 7 7 8 12 19 72 30 37 37 39 25 70 30 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		J	1	15	71	28	7.5	45	7.5		1 -2 -		<b>-</b> 5	
## 17   14   17   24   3   3   37   45   37   21   74   75   77   7   7   7   7   7   7   7	• "	a 2.,	26	71	7.4	? ;	37	4.2	4.2	3.2		71#	1 4	
TO TO THE TOTAL STATE OF THE TOT		2 /	14	1.7	24	3 🖟	3 :	37			2.1			
77	14				1.5		3.5				1	7.8#	- 9	
7'	- 7	χ. ,	8	1 2	1.9	3.2	أن. 3	v 37	39	23	7.56	3 10	r	*
7:	7"	£.			19					7.2	2 . P	1.7k		*
MEAN 7-1 12-9 22-9 28-7 35-4 39-1 37-1 31-5 24-6 1/-2 5-4	7 .	n = 2	1	17	24	24	3.9	3.3	₹5#				15	n .
MEAN 7-1 12-9 22-9 28-7 35-4 39-1 37-1 31-5 24-6 1/-2 5-4	-0	e -:	12				39		3.2	32	785			
MEAN 7-1 12-9 22-9 28-7 35-4 39-1 37-1 31-5 24-6 1/-2 5-4	.,	» '		25			37	41					<b>-</b> 9	
													,	<del>-</del>
	MEAN S. D.	12.140		12.9	22.9	28.7 3.384								6
S.D. 12.15-10.656 9.237 3.561 3.384 3.14 3.332 3.790 3.169 5.79. 7.2711.472 TALOBS. 531 537 589 567 589 600 519 620 599 627 597 (24)														3.87

1210 WS FORM 0-88-5 (OLI)

CIAT LEAST ONE DAY LESS THAN 28 OF ST

GLUBAL CLIMATOLOGY BRANCH USAFETAC AI- \*EATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

1 (877	GRAFENWO	HR AAF DL			73-81			ARS				A C	
STATION		STATION	IAME				12.	AR3		PAGE	1	DGCD-	-020
Temp.			WET BUILD	TEMPERATUS	E DEPRESSION	(E)				TOTAL		TOTAL	
(F)	0 1 2 3	-4 5-6 7-8	9 . 10 11 . 12	13 . 14 .15 . 1	6 17 - 18 19 - 20	21 - 22 23 -	24 25 - 26	27 - 28 29	30: * 31		ry Bulb		Dew P
5 / 42	.1		1							1	1	•	
4. / 47	•6					1	İ		1	5	5	2	
4 / 45	.8		·	+ <del>-</del>	<del></del>					6	6	6	***
4/ 43	. 9		1							. 7	7	6	
-2/ 41		• 1								ž 1	21	16	1
40/ 39		•1				<del></del>				2.5	25	21	2
3 / 37	2.6 2.1									3.8	38	35	3
' / 35	1.9 3.3			<u> </u>		·	<del></del>			41	41	. 36	3
3-/ 33	6.9 2.9									78	73	95	6
32/ 31	℃.4 6.0	<del></del>								123	123	119	11
70/ 29		• 3			'					93	93	102	9
		•1		<del></del>						<u>164</u> .	134	. 1 <u>00</u>	្ 1 រូ
7 / 25 24/ 23	5.5 1.1 5.0 .5	•1									54	63	6
2/ 21			···	+		<b></b>	<del></del>			44	15	46	6
- / 19	1.3 .6						1			20	23	16 20	1
777	2.9 .4				<del></del>		<del></del>			<del>- 26</del>	26	28	
1./ 15	2.4 .1									20	23	26	2
13	1.3		+	<del></del>			<del></del>			+ - <del>13</del> -	- 10	10-	ž
1 / 11	• 3									6	6	6	1
1 7 3 3 To	1.3			+						<u>10</u> -	17	. īš.	· i
1 7	• 3			:						2	2	2	•
7 5	1.8			+	+ -+	+				- 14.	14	14	
:/ 3	1.1				1					9	9	9	
171	. 9			<del></del>	<del></del>	†				<del>7</del> -	7	7.	
/ -1	1.3			1 1		1				13	10	13	1
-:/ -3			<u> </u>	+	<del></del>	<del></del>	<del></del>			I.	1	1	
/ -5	• 3		1		.					2	2	2	
-// -7	• 3	<del></del>	<del></del>	+	+					· <del>2</del> -	2	ž.	
TOTAL !	69.030.2	. 8	1	i i			:				794		79
	1		-							794		794	
			i			<u> l</u>							
										,		•	-
Element (X)	ZX'	ZX	X	**	No. Obs.			Mean No.	f Hours wit	h Temperatu	re		
Rel. Hum.	71568			1	794	2 0 F	5 32 F	≠ 67 F	€ 73 F	- 80 F	• 93 1	T	Tetal
Dry Bulb	9189	,	1	1 -1	794	1.8	67.U						5
Wet Bulb	6 <b>60</b> 3				794	1.8	68.5						5
Dew Paint	6218	23 209	39 26.4	9.370	794	2.5	72.9		·	1			7

GLUEAL CLIMATOLOGY BRANCH USEFETAC AI - WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

TESTO GRAFENNOHR AAF DL 73-81 JAN
STATION STATION NAME PAGE 1 C370-35CC HOURS (C.S.T.)

-1/-5	•6		1								5 2	5 2	5 2	
/ -1 - / -3	. 9 . 1		i .								. 7 1	7 1	<u>1.</u>	1
./ 3	1.3				·		<b>+</b>				8 11	A 11	8 11	·
./ 5	. 9	·			· <del></del>	<del></del>	•	<del></del>			7		<u>.</u>	
1 7	•4		· <del></del>			<del></del>	· · · · · · · · · · · · · · · · · · ·			-	<u>13.</u> 3	1_3	<u>13.</u> 3	
1./ 11	1.6										8	٩ . •	6	
1 / 13	2.2 .5				·						22	:2_	22	
10/ 15	2 • 1 2 • 5 • 2					<del></del>					<u> 17</u> 22	22	<u> 19</u> . 22	
1 / 19	3.4 .2	ie									29	29	29	
2/ 21	1.5 .2				•———						14	14	22	
21/23	5.7 1.0		<del></del>	·		*	•		· · · · · · · · · · · · · · · · · · ·		+ <del>1 2</del> + 5 5	- <u>47.</u> 55	9 <u>7.</u> 48	
21/ 25	14.7 3.7 5.0 .9										148	148	139 59	1
1 / 29	5.3 2.7					·	····	<del></del>			65	65	70_	
-2/ 31	8.7 5.5				•						114	114	119	
3-/ 33	5.5 2.5										64	64	72	_
3 / 37	2.4 2.7				·	-+	+				<u>34</u>	<u> 34</u> 41	<u>36.</u> 38	-
4 / 39	1.0 2.0										27	27	18	
-2/ 41	.9 1.9	agent a comment of the comment of the			·						24	24	12	
H4/ 43	.7				<b>.</b>						6	6	6	
4 / 45	. 2										2	4	6	
6 / 47	0 1.2		6 7-8 9-1	0 11 - 12	13 - 14 (15 - 1	6 17 - 18 19 - 20	21 - 22 23 -	24 25 - 26	27 - 28 29	. 30: 2 31			Ter Builb L	Dew !

GLOBAL CLIMATOLOGY BRANCH USAFETAC AI: "EATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

Temp. (F) 4 / 47 4 / 45 4 / 43 2 / 41 4 / 39 3 / 37 3 / 33 3 2 / 31	.1 .2 .5 .5 1.2 2.6 .6 1.8 3.0 2.0 2.2 2.3 4.6 1.7	4		·	RE DEPRESSION 16 17 - 18 19 - 20		24 25 - 26	27 - 28 29	30 = 31	TOTAL D.B./W.B.			. S. T.
(F) 1	.1 .2 .5 .5 1.2 2.6 .6 1.8 3.0 2.0 2.2 2.3 4.6 1.7	4		·			24 25 - 26	27 - 28 29	30 = 31	D.B./W.B. (	1	Wet Bulb C	Dew F
4 / 45 4 / 45 2 / 41 4 / 39 3 / 37 '' / 35 3 / 33	.1 .2 .5 .5 1.2 2.6 .6 1.8 3.0 2.0 2.2 2.3 4.6 1.7	4	0 11 - 12	13 - 14   15 - 1	16 17 - 18 19 - 20	0 21 - 22 23 -	24 25 - 26	27 - 28 29	- 30 = 31	1	1		Dew 1
4 / 45 4 / 43 2 / 41 4 / 39 3 / 37 '' / 35 3 / 33	.2 .5 .5 1.2 2.6 .6 1.8 . 3.0 2.0 2.2 2.3 . 4.6 1.7			·	· ·-+	+		!	į	1 2			
2/ 41 2/ 41 4 / 39 3 / 37 1 / 35 3 / 33	.5 .5 1.2 2.6 .6 1.8 . 3.0 2.0 2.2 2.3 . 4.6 1.7			·		·				2	,		
2/ 41 4 / 39 3 / 37 '' / 35 3 / 33	1.2 2.6 .6 1.8 . 3.0 2.0 2.2 2.3 . 4.6 1.7									+		$-\frac{1}{10}$	
3 / 39 3 / 37 '' / 35 3 / 33	.6 1.8 . 3.0 2.0 2.2 2.3 . 4.6 1.7									8	8		
3 / 37 ''/ 35 3 / 33	3.0 2.0 2.2 2.3 . 4.6 1.7									$\frac{31}{23}$	31	22.	
' · / 35 3 · / 33	2.2 2.3 . 4.6 1.7	1								4 O	23 40	14	
3 / 33	4.6 1.7		• •			· · · · · · · · · · · · · · · · · · ·				38	38	- <del>39</del> .	
		_								51	51	، د د 6	
	9.4 5.0		+	• · · · ·	•					<del></del>	117	121	1
167 29	5.3 5.7									89	89	85	•
/ 27 1	2.8 2.6	<del></del>	<del></del>							125	125	132	— <sub>1</sub>
·/ 25	6.3 1.4									6.2	62	60	
./ 23	5.7 1.2 .	4	÷		-•				4.	59	59	5 <b>5</b>	
2/ 21	1.7 .4									17	17	24	
1/ 19	2.0 .4									19	19	19	-
1 / 17	1.0 .2	<del></del>								_ 10	10	1.3	
L: / 15 h	1.7									17	17	17	
1 / 13	2.6 .7	······································			<del></del>					27	27	27	
1 / 11	2.1									11	11	11	
./ 7	1.0	<del></del>								17	17	17.	
/ 5:	• 7				!						8	0	
/ 3	<del></del>				<del></del>					- 6	<u> </u>		-
/ 1	1.0				1					8	6 8	6 8	
/ -1	.9 .1	<del></del>		·	<del></del>	• • • • • • • • • • • • • • • • • • • •	<del></del>			8	<del>-</del>	<del>5</del> .	-
- / -3	. 4					:				3	3		
/ -5	• 5					<del></del>		<del></del>		+ - 4	4.	<del>-</del> i.	
/ -7	• 1									1	1	1	
/ -9	• 5	<del></del>			-			:		4	4		-
/-11								!		!			
/-13					1								
TAL 6	59.529.7	9				+		<del></del>	<u> </u>	<u> </u>	912	~	9
į		1 1		:	! !					812		812	
lement (X)	Σχ'	ZX	X	o a	No. Obs.					n Temperatu	110		_
el. Hum.	731038 66993		94.6		812	= 0 F	1 32 F	≥ 67 F	≥ 73 F	- 80 F	• 93 F		0101
ry Bulb				9.776	812	2.3	70.8	<b> </b>			<del> </del>		
er Bulb ew Point	64938	1		9.583	812	2.3	72.0 75.1	ļ'		<del></del>	<del>-</del>		

USAFETAC now 0.26-5 (OLA) atmiss remos tonions or this rose, as obsolite

GL.BAL CLIMATOLOGY BRANCH US4FETAC AI HEATHER SERVICE/MAC 11/6870 GRAFENHOHR AAF OL 73-81 JAN YEARS MONTH

### **PSYCHROMETRIC SUMMARY**

STATION		STATION NAME					YEA	ARS				MON	TH
										PAGE	1	0970-	- <u>1 1 °</u>
Temp.		WE	T BULB T	EMPERATUR	E DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4 5	6 7 8 9 1	0 11 - 12	13 - 14 - 15 - 1/	6 17 - 18 19 - 20	21 - 22 23 -	24 25 - 26	27 - 28 29 -	30 + 31	D.B./W.B. (	Dry Bulb	Wet Bulb I	Dew P
1 / 45	.4									3	3		
4/ 43	.2. 1.3									13	10	1.3	
2/ 41	1. 2.7 .1		• •			+				71	31	16	- 2
16/ 39	1.1 1.8 .5									28	28	23	
3 / 37	3.0 2.1 .2		- +							43	43	 4 ي	
. / 35 <sup>°</sup>	1.8 4.6									52	52	39	
3 / 33	5.2 3.6 .2			· <del>-</del>						73	73	38	-
2/ 31										136	136	142	12
'0 <b>/ 2</b> 9	5.6 6.2 .1								<b>-</b>	105	105	116	13
7 / 27	1 .6 3.7									116	116	111	1
/ 25	3.3 1.)					•				35	35	43	
2 / 23	2.7 1.6									35	35	27	
2/ 21	2.8 .4			+						26	26	35	
/ 1+	2.6 .4									24	24	24	
/ 17	1.6 .5	~ ~								17	17	18	
1 / 15	1. 2									10	10	12	
/ 13	1.7 .4									17	17	17	
/ 11	1.6 .1			į						14	14	14	į
1 / 9	.9 .2									7	9	7	1
1 7	1.1			,						9	9	11	
1/ 5	•6									5	5	5	
./ 3	• 5			1						. 4	4	4	
/ 1	.6					<del>,</del>				5	5	. 5 <sup>-</sup>	
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TAL	67.038.5 1.5					•				* <del></del>	913	•	а
					:					813		613	
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lement (X) el. Hum.	Zg <sup>2</sup>	75842	X 7	7 551	Ne. Obs.			2 67 F		+ 80 F	• 93 I		Fotal
	712134Z 726832	23296		7.551 8.546	813 813	± 0 F	# 32 F	2 0/ F	≥ 73 F	* 80 F	+		
ry Bulb let Bulb		23296	28.1		813	• 7	67.9		<del> </del>	<del></del>	+		
	698813	21874		8.620	813	. 7	74.5		<b> </b>		+	<del></del> -	
lew Paint	648864	210/4	20.9	5 • D < L	972	1.1	17.5			1			Š

USAFETAC NOW 0.26-5 (O.L.A.) REVISE MENOUS SENTONS OF THIS NOW, ARE OLD LETTER OF THIS NOW, ARE OLD LETTER OF THIS NOW, ARE OLD LETTER OF THIS NOW, ARE OLD LETTER OF THIS NOW, ARE OLD LETTER OF THIS NOW, ARE OLD LETTER OF THIS NOW, ARE OLD LETTER OF THIS NOW, ARE OLD LETTER OF THIS NOW, ARE OLD LETTER OF THIS NOW, ARE OLD LETTER OF THIS NOW, ARE OLD LETTER OF THIS NOW, AND THE OLD LETTER OF THE OLD LETTER OLD LETTER OF THE OLD LETTER OF THE OLD LETTER OLD LETTER OF THE OLD LETTER OLD LETTER OLD LETTER OLD LETTER OLD LETTER OLD LETTER OLD LETTER OLD LETTER OLD LETTER OLD LETTER OLD LETTER OLD

GLUBAL CLIMATOLOGY BRANCH US4FETAC AI: REATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

STATION	GRAFENWOHR	STATION NAME			73-81			ÃR5				<b>∆</b> ل ایدهند	
3,41,04		STOLING MAME					**			PAGE	:	1200-	14
Temp.		WE	T BULB	TEMPERATUR	E DEPRESSION	(F)				TOTAL		TOTAL	
(F) [	0 1-7 3-4	5-6 7-8 9-1	0 11 - 12	1 13 - 14 15 - 1	6 17 - 18 19 - 2	21 - 22 23 -	24 25 - 26	27 28 29	- 30 - 31		ry Bulb	Wet Bulb D	e = P
- / 47	•1							•	•	· 1	1	•	
4 / 45	•2 •1 •2									5	5	3	
4/ 43	•2 1.7 •1	• 2		•		-•-		•	•	19	19	le.	
2/ 41	1.5 3.0 1.4	• 2								49	49	24	2
40/ 39	1.7 2.8 1.7			<del></del>	*********			•	٠	51	51	34	
3 / 37	3 3.4 1.0	• 1								56	56	52	
' / 35	2.3 6.5 2.7									54.		72	
3 -/ 33	4.6 7.7 1.3	• 1								139	139	114	í
/ 31	6.5 9.0 .4	17.		•						129	129	175	1
1 29	3.7 7.1 .1									89	39	173	1
7 27	3. 4.4 .6				···					65	65	47	1
2 / 25	1.7 2.6 .1												
2 / 23	2.2 2.3 .2					· · · · · · · · · · · · · · · · · · ·			• •	. <u>36</u>	36. 39	47. 36	
2/ 21	1.6 .7 .1									-	-		
1 19	- 1 · 7 · 9		•		•					25.	2 <u>2</u> 0	31. 22.	
1 17	•2 1. ]									21			
1 / 15+				<b>-</b>				-		15.	10.	17.	
-/ 13	.1 .5									•	- 1	3	
1 / 11	1 2			<del></del>						· · · · · - 5· · · 3· ·	5	. 5.	
1 / 0	•5									٠		٠.	
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/ 5													
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/ -1	••									•	•	•	
	34.954.6 9.7	7		•	- <del>-</del>	·					A 13		8
	3400 701	• •								813	.17	613	
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			1		1								
+				<del>                                     </del>	+						•		
				!	<u> </u>								
Element (X)	Z X,	Σχ	X	٠,	No. Obs.			Meen No.	of Hours wit	h Temperatu	•		
Rei. Hum.	6476127	72143		9.571	813	10 F	± 32 F	≥ 67 F	≥ 73 F	- 80 F	• 93 F	T.	···
Dry Buib	85675	25842		6.597	813		49.1				-		
Wet Bulb	800405	24975	35.7	6.393	813		57.				•		-
	711610	23350		7.174	813		69.7		)				

GLABAL CLIMATOLOGY BRANCH USAFETAC ATA MEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

C6870	GRAFENWOHR I	STATION NAME			73-61			ARS				MON	
										PAGE	1	15 CO-	17,
Temp.		WE	TBULB	TEMPERATU	RE DEPRESSION	(F)				TOTAL		TOTAL	-
( <b>F</b> )	0 1 - 2 3 - 4 5				16 17 - 18 19 - 20		- 24 - 25 - 26	27 - 28 29	- 30 : * 31		ty Bulb	Wer Bulb C	ew P
4 / 45	.5 .1 .1			•		*				- 6	6	5	
4/ 43	•2 1 • 5 • 1	• 1								16	16	15.	_
12/ 41	2.6 4.2 1.2	•1								66	66	34	-
46/ 19;	1.2 2.0 1.1	• 1								. 36	36.	35.	
3 / 37	2.7 4.4 .6									63	63	46	
7: / 35	2.1 6.0 1.1									75	75	71	
3 / 33	5.7 7.9 1.1									119	119	107	-
	4.518.2 .9									127	127	168	
7 / 29	4.3 5.9 .1									84	34	96	1
2 / 27	4.1 5.4 .1									73	73	71	1
25 <b>/ 25</b>	2.7 2.9									46	46	51	-
2' / 23	3.4 1.6									41	41.	47	
2/ 21	1.1 .6									14	14	23	-
2 / 19	•9 •1									. 8	8.	12	
' / 17	16								•	13	13	14	'
1 / 15	•6 •9									. 12	12	12.	
14/ 13	•1 •1							•		2	2	2	
1./11	.1				_					1	1	1	
1 / 9	• 9						- <del></del>			7	7	7	
/ 7													
-/ 5								. — . •				•	
CTAL 3	3.754.4 6.5	. 4									914		8
										814		814	
			*****										
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					1								
					<del></del>								
S(a (V)	<del></del>	<del>- \</del>				<del>,                                    </del>			4.0				_
Element (X)	Z <sub>X</sub> '	Z x	X	0 774	No. Obs.				of Hours with				
Rel. Hum.	<u> </u>	73157 259J8	89.9		814	: 0 F	: 32 F	≥ 67 F	≥ 73 F	- 80 F	. 93 F		tal.
Dry Bulb	858600		31.8		814		49.5		<b></b>	<u> </u>			
Wer Bulb	808507	25145	30.9		814		57.2		•	<b></b>	•		9
Dew Paint	727032	23692	24.1	6.788	814		66.5						- (

USAFETAC FORM 0.26-5 (OLA) BETTE RETIONS OF THIS FORM ARE OMDERED AS 44 44 0.26-5 (OLA)

GL(BAL CLIMATOLOGY BRANCH USAFETAC AI: "EATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 6877	GRAFENWOHR A			73-81			<del></del>				JA	N
STATION		STATION NAME				YE AR	15		PAGE	1	16°2-	200
											HOURS	, 5. f
Temp.			T BULB TEMPERATUR						TOTAL	, <u>, , , , , , , , , , , , , , , , , , </u>	TOTAL	
		6 7 · B 9 · 1	0 11 - 12:13 - 14 15 - 1	6.17 - 18:19 - 20	21 - 22 23 - 24	25 - 26 2	7 . 28 . 29 .	30 * 31		TY DUIL	Wet Built D	Je w P
47	• 1								1	1		
4 / 45	1								·	- · - <u>. I</u>	1.	
4/ 43	.7 1.1								15	15	15	
92/ 41	2.1 2.8								4.	40.	26,	
n / 3c	1.5 1.4 .9								30	30	27	
3 / 37	3.6 2.0				•				. 45.	45.	40,	
1 35	1.2 4.9 .4								5.3	53	36	:
3 / 33	7.1 4.6 .2								9 <u>7</u> _	97.	111	
2/ 31	7.8 5.8 .1								111	111	133	1 :
10/ 29	5.2 6.4 .4			· <b>-</b>	•			•	97	97	94.	
: / 27 ·	7.0 5.8 .5								178	1 18	6.7	1.
/ 25	4.2 2.1					···			51,	51	61	
2 / 23	3.9.9								39	39	47	
2/ ?1	2.5 .1								. 21.	21	56	
./ 19	1.7 .5					-			18	18	15	
' / 17	2.1 .2								19	19	23	
1 / 15	1.5 .5	•				• •	•	-	16	16	15	
/ 13	1.2 .2								1.2	12	13	
1 / 11	1.5				• •				12°	12	12	
7 / 9	1.0 .1								9	9	ŝ	1
7 7	• 4 • 2	_ • • • •			•-·-• · · ·	•			5	5	4	
/ 5	•4 •1								4	4	5	
7 3.	. 4					•			3	3	4	
/ 1	. 4								3	3	3	
/ -1	•1 •1					•			2	2	1	
- / -3											1	
- / - 5			+	- <del>-</del>		4			•	•	•	
- / -9												
TITAL S	57.440.1 2.5									R12	•	R
						1			812		812	
												_
_			* 									
Element (X)	Z <sub>X</sub> '	Z X	X .	No. Obs.			Hean No. a	f Hours wil	h Temperatu	**		
Rel. Hum.	7.78782	75 - 54	93.0 7.751	812		: 32 F	≥ 67 F	≠ 73 F	▶ 80 F	• 93 F	T	0101
Dry Bulb	751738	2384	29.4 7.992	812		60.7	1		1			
Wet Bulb	723753	23395	29.8 7.829	812		63.7						
Dew Point	672566	22364	27.5 8.356	817	• 7	69.9						7

GLCPAL CLIMATOLOGY BRANCH USIFETAC AI- \*EATHER SERVICE/MAC

1 1:6870 GRAFENNOHR AAF DL 73-81
STATION STATION NAME

### **PSYCHROMETRIC SUMMARY**

										PAGE	1	2170-	2 <u>7 7</u> (
Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0   1 - 2   3 - 4	5 - 6 7 - 8 9 - 1	0 11 - 12	13 - 14   15 - 1	6 17 - 18 19 - 20	21 - 22 23 -	24 25 - 26	27 - 28 29	30 = 31	D.B. W.B.	ory Bulb	Wet Bulb (	Dew Po
4 / 47	•1 •2	i i				,		•		3	3	1	
4 / 45	• 2 • 6									. 7		8.	
-4/ 43	• 6									5	5	5	
-2/ 41	2.1 2.8									40	40	27	2
4 / 39										2.8	2.8	24	2
3 / 37	2.3 1.4	• 1						····		31	31	3.5	3
/ 35	1.5 4.8 .4									5.4	54	28	2
3 / 33	6.7 2.3		+					<b>.</b> -		73.	73	. 99	. 7
2/ 31	8 • ' 6 • 9									121	221	132	10
1 24	6.9 4.1					•				8.9	5 0		10
2 / 27	8.3 6.4 .4									132	122	10"	9
/ 25	5.4 1.2									. 54.	54	06	1
2 1 23	3.8 .9									3 &	38	41	7
2/ 31	1.4 .4									1.4	1.4	16	1
/ 1c	1.6 .2									15	15	16	Z
/ 17	2.5 .2										22	24.	1
1 / 15	1.0 .4			-	,				•	11	11	ō	1
1 / 13	2 . ) . 2			<u>:</u>						13	16	21	2
1 / 11	1.7 .2				,					16	15	16	1
<u> </u>										18	19	15	2
/ 7	1.0									8	8	ń	1
<u>/                                    </u>									_	. 0.	6	. 5.	_
/ 3	.9				•					7	7	7	
/ :													
/ -1	•5								- •	4	4	4	
- / -3	• 44							_	_	. 3.	. 3	3	
- / -5	• 1			•	•			-	•	1	1	1	
- / -7	• 1									1	1	1	
7/-11													
<u>. 1</u>	62.836.1 1.0	• 1		<u> </u>							929		a c
										809		809	
<del>-</del>					-	• • • • • • • • • • • • • • • • • • • •				••			
lement (X)	Z <sub>X</sub> ,	ZX	X	₹.	No. Obs.	·		Meen No. o	f Hours wif	h Temperatu	re		
tel. Hum.	7161411	75895		7.162	8 3 9	5 0 F	: 32 F	≥ 67 F	≥ 73 F	⇒ 60 F	a 93 F	; Ti	0101
Dry Bulb	716218	2294 P		8.988	809	1.0	65.3						9
Wet Bulb	691879	22569		8.778	839	1.0	66.9						9
Dew Point	647654	21656	26.8	9.170	809	1.0	71.6						9

USAFETAC FORM 0.26-5 (OLA) REVISO REVIOUS EGITORS OF THIS FORM ARE OLD OFFET

GLOBAL CLIMATOLOGY BRANCH US FFETAC AI- WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

STATION	LPAFENHOHR A	AF DL			73-81		YE	ARS				- J	
										PAGE	1	A L	<u>. L</u>
Temp.			T BUL B	TEMPERATUR	E DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0 1-2 3-4 5	6 7-8 9-1	0 11 12	13 - 14 15 - 1	6 17 - 18 19 - 20	21 - 22 23 -	24 25 - 26	27 - 28 29	- 30: ≥ 31		ry Bulb		Dew Po
5 / 4:	• ():			· · · · · · · · · · · · · · · · · · ·						1	1		
/ 47	• •2!									15	15	3	
4 / 45	.1 .3 .7									32	32	30	ī
4/ 4:1	·2 1·0 ·0	• 3								. 86	86	96	3
-2/ 41	1.5 2.8 .4	•0								3∈2	372	177	2.3
4 / 34	1.2 1.9 .7	• 1								248	248	196	16
3-7 37	? • 7 2 • 4. • 2	• 🖰			_					350	350	323	2 5
/ 35	1.9 4.4 .6	·								443	448	357	28
3 / 33	5.8 4.2 .3	• 0								664	664	736	5 ċ
2/ 31	7.9 7.1 .2					•		<b>+</b>		978	978	1179	86
C/ 29	5.6 5.2 .1									711	711	754	79
2 / 27	8.8 4.4 .2				· · · · · · · · · · · · · · · · · · ·	····				866	356	795	94
/ 5	4.3 1.7 .1									387	351	449	51
2 / 23	4.1 1.3 .1		+							350	35C	347	. 55
2/ 21	1.74 .3									141	141	189	19
/ 19	2.3 .4					+				154	154	157	19
/ 17	1.7 .4									134	134	156	15
1./ 15	1.4 .4	··								115	115	114.	1.3
/ 13	1.4 .3									113	113	117	1 4
1 / 11	<u> 1• _ • 1                                    </u>									71	71	71.	11
· / · ·	1.3 .0									87	87	8 4	11
	<u> </u>									35	35	36	4
/ >	•6 • 17				1					42	42	43	4
		<del></del>			<del></del>	+				37	37		
/ 1	• 5										35	35	3
- / -1; - / -3;	•5 •0					<u> </u>				33	<u>33</u>	<u>31.</u> . 12	4
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- / -9	•1			1						6	6	6	4
/-11				·		•				· — — <del>V</del> ·			
1 /-13.					1								
	57.939.0 3.7	• 2	<del></del>	<del></del>	+	++				•	£471	····	647
i				. 1						6471		6471	
Element (X)	Σχ'	ZX	X	· A	No. Obs.			Mean No.	of Hours wit	h Tampereti	70		
Rei. Hum.	56217617	670911	92.9	8.016	6471	: 0 F	± 32 F	≥ 67 F	≥ 73 F	- 80 F	• 93 1	1	oral
Dry Bulb	5-22825	187703	20.0	8.700	6471	7.9	497.3						74
Wet Bulb	5674411	183657		8.450	6471		524.6						74
Dew Point	5246232	175342	27.1	8.747	6471	11.3	573.6	_					74

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AC 108m 0-26-5 (OLA

GLIBAL CLIMATOLOGY BRANCH USFETAC AI- MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

STATION STATION AME DL STATION NAME FE3 PAGE 1 CCCD-GZGG WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin 5 / 4: 1.47 4 / 45 4/ 431 . 4 1.7 1.2 2/ 41 22 14 1 37 1.4, 1.4: 27 27. 3./ 37 1.8 1.6 27 27 ە 2 22 / 35 4.1 3.0 46. 46 3 / 33 8.7 3.4 92 92 94 72 32/ 31 C.4 6.4 118\_ 169 4.5 6.3 8.3 83 87 64 2 1 21. 8.5 4.2 במב 103 100. 101. / 25 6.3 3.3 73 73 73 71 2.1 25. 4.3 2.2 58. 9.0 21 27 2.5 .8 21 22 1.4. .4. 17. 17. 17. 32 1 / 17 14 / 15 14 1 / 13 7 20 1.2 12 â - 2 . 1 . 8 5 -4 5 5 - / -3 - / -5 - / -7 62.935.7 1.8 762 Element (X) No. Obs. 71050 Rel. Hum. 93.2 8.331 762 6677630 Dry Bulb 28.9 7.749 59.4 679946 21984 762 Wet Bulb 655796 21590 28.3 7.611 762 60.5 84 Dew Peint 608135 23625 762 64.5

73-61

ž EDITIONS OF THIS FORM (OL A) 0.26-5 102 GERBAL CLIMATOLOGY BRANCH USAFETAC AI WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

STATION STATION FF3 0330-0533 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B. W.B. Dry Bulb Wer Bulb Dew Poin (F) . / 47 • 1 1 45 -1 4/ 43 / 41 <u>| 1.4 1.4</u> 14 1 3-1.8 .9 21 21 21 20 3.3 1.6 38 38. 32. 30 / 35 2.5 2.8 41 41 33 32 3 / 33 8 8 4 1 4 75. 85. 68 75. 2/ 31 8.6 3.7 .1 94 94 99 86 7 / 25 | 5.1 | 5.1 | 7 / 27 | 11.1 | 3.7 | .1 77. 78 78 63 113 113 110 108 / 25 7.8 2.4 . 79. .. 74. 7.8 79 2 / 23 6.1 1.8 77 60 60 64 2/ 21 3.U .7 28 28. 34 47 1 / 19 1.7 .7 1 / 17 1.7 .7 18 19 18 23 19 20 19 19 1 / 15 1.4 20 11 11 15 14/ 13 1./ 11 6 6 6 1/9 . 8 9 7 • 5: -1 4 4 6 1.7 . 9 / -1 . 9 9 / -3 -./ -7 -./ -9 1 71.427.5 1.1 761 760 760 700 Element (X) Z v' ¥ **"** No. Obs. Meen No. of Hours with Temperature 6813791 7.582 Rel. Hum. 71715 94.4 760 ± 32 F Dry Bulb 634414 23994 27.6 8.526 761 1.2 61.8 84 760 Wet Buib 616736 27.2 8.439 20686 1.2 63.7 84 578970 19868

73-81

EDITIONS OF THIS

0-26-5 (OL A) 12 GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR BEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

STATION	. GI	RAFEI	N H C	нВ		TATION	NAM	É							7.	3-	81.							YEAR	5								EB -	_
																													PA	GΕ	1	C 6 D C HOURS	<del>- 280</del>	0
Temp.			_					WET	BU	LB '	TEM	PER	ATI	JRE	DE	PRE	SSIC	) NC	*)					_					TOTAL			TOTAL		٦
(F)	0	1 - 2	. 3	- 4	5 - 6	7 - 8	9	- 10	11	- 12	13 -	14	15	- 16	17	- 18	19 -	20	21 -	22	23 -	24 2	5 - 3	26 27	7 - 2	8 29	- 30	= 31	D.B. W.	B. Dr	y Bul	lb Wet Bulb	Dew Po	ınt
11. 1 HE		Υ .					- [				7		1				ī							7				i		•		-		1

Temp.		_	W	T BULB 1	EMPERATU	RE DEPRESSIO	N (F)			TOTAL		TOTAL	
(F)	0 1-2	3 - 4 5	-6 7-8 9-	0 11 - 12	13 - 14 15 -	16 17 - 18 19 -	20 21 - 22 23 - 24 25	5 - 26 27 - 28 29	- 30 - 31	D.B. W.B. D	y Bulb ¥	Vet Bulb D	ew Poir
41/ 45	.4						·	1		3	3		
44/ 431	11									. 2		5.	1
12/ 41	1.6 1.2					1				21	21	13	16
4 / 39	3.0 1.6									. 35	35	31.	25
3 / 37	2.5 1.1					1				27	27	31	31
2./ 35.	3.2. 4.2.	-1		~						57.	57.	39.	- 35
3-/ 33	4.7 2.1			:						52	5 <i>2</i>	62	50
3 / 31	7.3.3.7					<u> </u>	_+			99.	99	112.	94
7 / 29	5.7 4.9	• 3				i				77	77	71	63
2.1.27	11.2, 3.7.	5.					_ +			. 117.	117.	110.	9.9
2c/ 25	5.9 1.6						'	;		57	57	60	79
2:1 23.	7.0 1.6						<del>-</del>			. 65	65.	67	79
~2/ 21	1.8 .8									20	20	25	36
7 / 19.	3.2.9				<del>-</del>					31.	- 31.	30	30
1// 17	1.6 .5					!				16	16	22	23
10/ 15	<u> </u>		<del></del>							12.	12.	13.	. 24
1 / 13	1.2 .5		1							13	13	13	23
1-/-11+						-+				5	5.	5.	هـ
1 / 9	1 • 4			i		1				11	11	11	12
			<del></del>				<del></del>			14.	14.	13_	_ 13
/ 5			k.		!					8	8	9	11
	_1.3			·· <del>·</del>		<del></del>			_+		10	10.	8
1 1	• 5			. :			1		1	4	4	4	10
					<del></del>		<del></del>			<del></del> .	<del></del>	2	5
-4/ -5! / -9!	-		1		į	İ	1			_	1	-	
						+	<del></del>			<del> 2, .</del>	<del></del>	. 2.	-
-1 /-13 <sub> </sub> -1 <sub>4</sub> /-15 <sub> </sub>	1			1	1	1	1						1
	70.029.1	. 9	<del></del>			-+	<del></del>		-	<del></del>	7/1		1
I AL	13.029.1	• 91		1	1					: 760.	761	760.	760
	+			+	- +					<u>, / D.J.</u>		<u> </u>	
					i		i i	, i	1	:			
		+-	<del></del>	+ +			<del></del>	<del></del>	+	+			-
J		i	1			1 :			i				
Element (X)	Zx'	Ť	Zx	¥	•,	No. Obs.	1	Meen No.	f Hours wit	h Temperatur	•		
Rel. Hum.	6800	943	71669	94.3	7.480	760	± 0 F ± 3		± 73 F	- 80 F	• 93 F	To	ıtal
Dry Bulb	631		20867		8.836	761	<del></del>	2.3		-			64
Wet Bulb	613		20574	27.1		760		4 . Cl					84
Dew Point	575		19753	26.0		760		5.5		<del></del>		+	84

USAFETAC FORM 0-26-5 (OL.A) BETTED TRETHOUS LOTTIONS OF THIS FORM ARE OBSOLUTE

GLCGAL CLIMATOLOGY BRANCH USAFETAC AI: "EATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

17687C GRAFENINOHR AAF DL 73-81 YEARS PAGE 1 CON-11100 HOURS (L. S. T.)

Temp.						WE	TBUL	B TEM	PERAT	URE D	EPRE	SSION (	F)						TOTAL	ᄔᆫ		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 1	0 11 -	12 13 -	14 15	- 16 1	7 - 18	19 - 20	21 - 22	23 - 2	4 25 - 2	6 27 -	28 29	30 *	31 D.B./W.	8. 0	ry Bulb 1	Vet Bulb	Dew P
4./ 47		i	. 1			;										1				1	1		
4. / 45 :		•1								1	,		'							;	•		
.4/ 43		.7			• 1												-			9	9	7	•
42/ 41	1.1	4.1	1.2	•												•				8	48	. 17	
4 / 39		3.2	. 8	. 4	 I	+			+_				·			-				3	43	41	
3:/ 37		2.6		-		i													-	6	56	58	
31/ 35			1.6										·							Ž	72	54	
3-/ 33	5.4	4.5	7	1															. 8	_	81	91	
:2/ 31	8.9	5.7	1.2	. 1							+					<del></del>			12		122	137	
3 / 29		6.3																		Ō	80	91	
2-1 27			1.2	<del></del>	<del></del>	•									- <del>-</del>				9		93	87	
26/ 25		2.4																	. 4	-	41	5.3	
2./ 23		3.2							_+_											4	54	57	
2/ 21	1.7																		-	7	17.	31	_
2 / 19	. 9			•					-		+					•	•		1		12	11	
10/ 17	. 5																			6	6	iō	
1:/ 15		. 4		-	;	·			+-											4	4	4	1
14/ 13	• 5								i											8.	8	9	. 1
1./11	. 3		<del></del>		•	-														3	3	2	
1 / 9:	. 9	!			1				i											7	7	ē	1
c/ 7		• 1	-	•		<del></del>		•	:											1	1		
/ 5	• 1		•		<b>-</b>	+	<u> </u>									·		+		1		<u></u> _	•
/ 1	, T								,	i	í									•	•	•	
/ -1			1			<del></del> -				-					-								•
TOTAL	44.7	45.1	8.4	1.6	1	l.			i		1		. ,								761		76
				*															76	Ú		760	
ļ							1			:	i								:				
																		-					
											i					i							
								T	1							-	-						
	i			L		<u> </u>					/		1										•
					T	,							- 1			-	_		-				
Element (X)		2 x'			ZX	<del></del>	X	+	-	<del>,                                    </del>	ie. Ob					Me -	. No -	d Maura	with Temps				
Rei. Hum.			1762	<del></del>	671	122		110	.893	+		60	201		s 32 F		67 F	. 73		_	• 93 F		Total
Dry Bulb			0319		236				•580			61	201	+	49.6		<b>U</b> , [				- 73	-+	
Wet Bulb			1 128		229				.380			60			54.4						<del></del>		
Dew Point			3124		213				.210			60		. 2				<del></del>	-+		<del></del>	+	
		97	<b>U124</b>	<u> </u>	_ 6 4 -	00	600	1	9614	<u>'L</u>		<b>9</b> ! 1		سلكو	62.0	- 4					1	_1	

GLEGAL CLIMATOLOGY BRANCH USAFETAC AIF MEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

Ver Bulb  Dew Point	<u> </u>		2086		273 256			5.9		763			24.9 36.4		<del> </del>	<del></del> -	<u> </u>		{
Rel. Hum.	-		1797		612			14.5		76		: 0 F	s 32 F	≥ 67 F	• 73 F	- 80 F	• 93 F	T	etal
Element (X)		Zg'			ž <sub>K</sub>		X	· · ·	$\Box$	Ne. Obs.				Meen No.	of Hours wi	th Temperatu	70		
	i	: 1	I					! 			1	1		,					
	<del> </del>	<del></del>	· 					!		<del>•</del>			<del></del>			<del>-</del> +			
	+	<u> </u>	<del> </del>					•					<del></del>			·			
		!	1					•								T		- •	
	ļ	L	: <del></del>				<b>.</b>									<b></b>			
	+		<del></del>				· ·	<del> </del>		<del></del>		- +	_+			. 762.		16.2.	
JATCI	19.5	45.7	21.0	9.4	4.2	1.0	• 1			1							762		7
1./ 1		<u> </u>	<u> </u>				<b>.</b>			·i_						<u> </u>			
15/ 13 1./ 11		<del>+</del>	<del></del>					·		+									
16/ 15			!							· ·	<del>-</del>								
1:/ 17			+				÷			4									
2/2/21		1	<del>+</del> ··· — +							+						<del></del>	1.	5.	
24/ 23		8						i								8	8	14	
2:1.25								·		<del></del>						24.	24.		
2-/ 27								+ <del>-</del>		<del></del>						69	69	79	4
3.1.29						_										69 5 <b>5</b> -	69 55	123 66-	1
$\frac{3.7.33}{(2/3)}$			2.4					•									_	125.	
3:/ 35			2.8	. 8												99	99	91	
3.7.37	1 1 4	3.8	3.0		1					·						83.	£ე.		
4 / 39			2.5		<u>-1∧2</u>		+	++		1						68	<del>90.</del>	49 60	
44/ 43			1.2	. 8		• 1										29 90.	29 9n	33	
41/ 45			1.8.				.,			<del></del>			<del></del>			40.	40.		
4 / 47			. 4	. 9		• 3							i		-	12	12	1	
5 / 45					د. 3ء _	1				L	:					. 4	4		
<del>-4/ 51</del> -2/ 51			•						······································	<del>-</del>						3-			
5: / 55		1				i	. • 1			! !	!		:			1	1		
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	+	+	15 - 16	17 - 18 19	20 21	- 22 23 -	24 25 - 26	27 - 28 29	- 30   - 31	D.B. W.B.	Dry Bulb	Wet Bulb (	Dew
Temp.										DEPRESS						TOTAL		TOTAL	_
																PAGE	1	HOURS IL	- 1.4

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

1 687	<u> </u>	AFEN	HOHR	AAF	DL TATION N	AME				73-81			YI	EARS					FEB
																PA	GE 1	150	<u>11-17(</u>
Temp.						WET	BULB	TEMPER	ATURE	DEPRESSIO	N (F)					TOTAL	. :	TOTA	L
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18 19 -	20 21 - 2	2 23 - 24	25 - 26	27 - 28 2	9 - 30 - 2	31 D.B./W.	Dry Bul	b Wet Bu	Ib Dew P
5:/ 55						• 1	. 1							·			2	2	
4/ 53			• 1	3	5	. 3		1. 1		! ! :	ļ							9	
12/ 51			. 4	. 3		. 4												9	•
5 / 49			1.0	. 4	. 4						1					1	_		1
4-/ 47	• 3	• 1			• 1	1.3								1		2			8
4. / 45		1.6	-			3				1	1					5.		_	2
44/ 43	• 1	1.0	1.2	. 8									-	•		3			5
02/ 41				2.6		. 4.		1.		. !						9		-	2
4 / 39		1.6		. 8												4			9
3 / 37				2.1	, , 3			i.						•		. 8			3
7:/ 35		5.6		. 4									1			9			
34/ 33	4.1	5.2	2.0	1		į	İ											7. 11	_
32/ 31		5.1								,		-		·					
7 / 29		4.5		3												. 6			9 (
2-1 27		5.1									<del></del> -					6			6 1
2-/ 25		1.0				l		1 .								1	-	-	15
21.1 23		. 8						•						:					*S
						•		. 1						:			•		2
2 / 10								!				•							<u> </u>
18/ 17:				!				1 .				,							
1_/ 15								• +				+	<del>-</del>	·					
1 / 11					٠.						:								
TOTAL	19.0	41.7	23.4	9.8	4.2	2.8	. 1	-				•					76	2	70
	i							1	!							76		76	
-								-											
								i i			i	.1		L					
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				.—						<u> </u>			لــــــــــــــــــــــــــــــــــــــ				-		
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								<u> </u>			+	1		· .			-+		
j	·			'				! !	:	1	;		,	. !	1				
Element (X)		Z X'	1	;	Ex	<del></del>	¥		7	No. Obs.	<del></del>	<del>'</del>		Meen No	. of Hours	with Temper	eture		
Rel. Hum.		498	9741		6 75	61	79.5	15.23	2	762	± 0	F	≤ 32 F	≥ 67 F				F	Total
Dry Bulb			779		279			6.41		762	1		24.1		1				ε
Wet Bulb			5173		260			5.42		762	1		34.2	<del></del>					8
Dow Point			5624		231			6.22		762	1	-	54.1						8

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

1 6877 STATION	GRAFENMOHR AAF DI STATION NAME	73-81 YEARS	MONTH
		PAGE 1	1850-3000

Temp.					·	WET BULB	TEMPER	ATURI	E DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10   11 - 1	2 13 - 14	15 - 16	17 - 18 19 - 2	0 21 - 22	23 - 24 25	- 26 27 - 28	29 - 30 = 3	D.B./W.B.	or Bulb	Wet Bulb (	Dew P
5 / 49					. 3							i		2	2		
4-1 47		- 4		1							<u> </u>					3.	
41/45	. 1	. 5	• 5											9	9	1	
44/ 43	5		5							<u></u>					_ 13	13.	
42/ 41	1.0	2.9	1.3	. 4								-	:	4.3	43	19	1
4 / 39		3.0								: <del></del>	<u> </u>		·	62_	b2		
3-/ 37	2.2	3.8	1.2	. 1										56	56	48	3
70/ 35	3.7	6.4	2.4	3	<b>.</b>		4						•	97.	97	83.	
34/ 33	5.6	5.8	1.3	. 1					1					98	98	114	•
72/ 31	3.1	6.7	1.8	<u></u>			44		<del></del>	+				89.	89	118	4
3 / 29	1.8	9.8	1.0	į.								:		97	97	84	9
2.1.27				1	<b></b>					<del></del>	+		·	108.	108	118.	1.6
7t / 25	1.2	2.5	. 4				1				,			31	31	47	•
2-/ 23				<b>.</b>		~			<b></b>					26.	26	26.	
2/ 21	1.6	. 4	• 1											16	16	25	3
12,	8	1					<del></del>		<del></del>						7.	_ 11.	
1-/ 17																2	1
1./ 15.	1	1					نـــب				·			2.	2.	2.	
14/ 13																	
1.7.11.				L	·						<b></b> -				1.		
1 / 9		- 1					- 1							1	1	2	
							<del></del>		<del></del>	+							
4/ 3									1	1							
							<del></del>		<del></del>	<del></del>	·						
TOTAL	33.1	51.8	13.3	1.6	• 3					1					762		76
					+		+		·	<del></del>	<del></del>			762.		762.	-
1	1									1							
	+					+	<del></del> +		+					<del>-</del>			
	1			:			1		:								
				<b>!</b>			-+		+	<del></del>				<del></del>			
;	,			ı :		I			i i				1	1			
		+					+		<del>,</del>		1						
							11		<u> </u>					_1			
Element (X)		z <sub>x'</sub>			z <sub>z</sub>	X	· g	1	No. Obs.			Mean I	le. of Hours	rish Temperat	•		
Rel. Hum.			7639		6636		110.7		762	= 0	F ± 32	F ≥ 67	F - 73 F	▶ 80 F	+ 93 1	Τ.	otal
Dry Buth			8979		249		7 5.69		762		41	. 7			+		
Wet Bulb			5664		2395		4 5.44		762		48	.0			ļ	1	
Dew Peint		67	5572		2217	74 29.	1 6.3	11	762	}	58	. 4	1			1	

a.

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

1 6870 GRAFENWOHR AAF DL 73-81 FES. PAGE 1 2130-230C WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 21 D.B.-W.B. Dry Bulb Wet Bulb Dew Point 4 / 47 41/ 45 44/ 43 5 5 52/ 41 17 17. 2.2 1.7 4 / 39 . 5 34 34 17 18 3-/ 37 2.2 3.1 41 41. 21 35/ 35 • 3 3.8 4.5 • 1 66 66 34/ 33 8.1 5.4 110. 113. 99 75 72/ 31 5.2 6.3 • 5 90 92 92 124 3 / 29 2.6 6.8 2 / 27 17.0 8.4 3 / 29 76 \_66 . 8 146 146 130 ./ 25 4.9 3.3 6.2 79. 62 62 211 23 3.3 1.6 38 38 46 106 72/ 21 . 5 34 17. 17. 17. 19 1.4 21 14 15 19/ 17 1.2 16/ 15T . 7 16 14/ 13 11 9 5 7 . 1 51.244.1 4.3 762 762 Element (X) 2,, No. Obs. Ŧ Mean No. of Hours with Temperature 762 Rel. Hum. 6380010 69398 91.1 8.857 2 32 F 718475 685342 Dry Bulb 37.0 6.559 22859 762 53.5 762 Wet Bulb 29.3 6.428 57.8 22322 84 Dow Point 64.0

PORM 0-26-5 (OL.A) REVISE REVIOUS ESTIGNES

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

1 687	GRAFENI	HUHK.	STAT	ION NAM	Æ			73=81			YE	ARS				- 404	1
														PAGE	1	HOURS IL	4
Temp.						LB TEMPER								TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4	5 . 6 . 7	- 8 9	- 10 11	12 13 - 14	15 - 16	17 - 18 19 -	20 21 - 2	2 23 -	24 25 - 26	27 - 28 29	. 30 + 31	D.8. W.8.	Dry Bulb	Wer Bulb !	De
5 / 55:			:	i	• n.	• 0								3	3		
·4/ 53			0	-1.	-2							<del></del>		. 12.	12.	-	
2/ 51		• 0	• 0	• 1	• 0		i							12	12		
5 / 45		2		1,_					<del></del> -					26.	26.	1-	-
4 / 47	•3 •2	• 1	• 2	• 🖭	• 2									45	45	17	
4./ 45.	5	6_	-4	_ 3.	<u> </u>									115.	_115	34.	-
:4/ 43	.2 .6	.4	• 2	• 1	• 📆									93	93	103	
4 / 39	2.0 2.1	1.1	<u></u>	2	•0	- +								<u>356</u> . 337	356. 337	192. 305	
3 / 37	2.0 2.1	1.1	• 5	•1	• iJi		,							408			
7. / 35	3.2 4.7	1.3	• 2											579	579	514	-
3 / 33.	6.1 4.3	. 9		•D										696.	696.		
12/ 31	6.1 5.3	1.0	• 0	• (7)			:			-				756	757	957	
1.29.	3.3 6.0	. 7.	-1											612	612.	_ 6Ž1.	
2.1 27	7.2 5.5	. 7	• 0							_				811	811	8 1	
2:1.25.	3.9. 2.2	1_												378	378.	459.	
2-1 23	3.3 1.7	• :												308	308	348	
21.21.	1.45.													120.	120.	166.	
~ / 1°	1.2 .4	• 1												99	100	194	
17_	72								·	+				63.	60.	BQ.	
1./ 15	.7 .1	• ^												45	45	5.3	
111113.	52													45.	45.	46.	
1 / 11	•4 •0							1						26	26	24	
-1-9-									<del></del>	<b></b>				. 40.	40.	42.	
1/5	.4 .01 .01												1	27 30	27	24	
/ 3								+		·		<del>+</del>		22	22	. 30. 25	
	. 2													. 11	11.	. 11.	
/ -1	•2									•				11	11	11	
- / -3														2	2.	2.	
										,				1	2	1	
-1-7							[			<u> </u>			_ i	<u>.</u>		<u>.</u>	
-1/ -9	- <del>-</del>					T				į		- 1	1	2	2	2	
-1./-13						لحبيني				<u>.</u>							_
Element (X)	z x,		2	<u> </u>	X	· ·		No. Obs.	1				<del>,                                    </del>	h Temperati			_
Rei. Hum.									1 0	F	≤ 32 F	≥ 67 F	≥ 73 F	- 80 F	• 93 F	T	•
Dry Bulb						<del></del>	-					<u> </u>		<del></del>	<del></del>		_
Wet Buib					<del></del>				<del></del>			L		<del> </del> -	<del></del>		_
Dew Paint																	_

GLOBAL CLIMATOLOGY BRANCH USAFETAC A!- mEATHER SERVICE/MAC

17687C GRAFENHOHR AAF OL 73-81

### **PSYCHROMETRIC SUMMARY**

STATION	_				TATION	NAME							Ψ	EARS				MO	чТн
										_						PA	E ?	HOURS	L. S. T.)
Temp.						WE	T BULB	TEMPER	ATURE	DEPRESSI	ON (F)					TOTAL	1	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 6	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18 19	20 21 -	22 23 -	24 25 - 26	27 - 28	29 - 30 - 3	D.B./W.E	Dry Bulb	Wer Bulb	Dew Po
1:/-15				•								1		7 /	i				
CTAL	46.	240.0	9.3	. 2.9	. 1 - 1	l •!	5: • 0	) .		İ		!					6193		6091
								-				,				609		6290	
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Element (X)	<del></del>	Z X2		<del> </del>	ZX	• -	¥ -	<b>₽</b>	_	No. Obs.	<del></del>	٠		Hees N	e. of Hours	-ith Tem	ature		
Rel. Hum.	-	4873	9611	<del> </del>	539	750		12.1	5.1	6090	<del>  ,</del>	0 F	± 32 F	* 67				F	Tatel
Dry Bulb	<del>  -</del>		0688		1900	530		7.8		6093			376.2			- 50,		-	67
Wet Bulb	<del>                                     </del>	586	5388	<del>]</del>	183		30.2	7.2	74	6090		2.0	418.1	+		<del></del>			67
Dew Point	<del> </del>		9932		170			7.6		6090		3.0	490.4					<del></del>	67
				<b>*</b>		7 41			<u> </u>	9.779						<del></del>			

USAFETAC 1044 0.26-5 (OLA) APPLEMENTAL PRINCES

GLCRAL CLIMATOLOGY BRANCH US4FETAC AIR WEATHER SERVICE/MAC

1 LATE	GRAFENHOHR	STATION NAME			73-81		YE	AS				- MA	문
										PAGE	1	COCO-	<del>9.</del> 3
Temp.		W	T BULB T	EMPERATUR	E DEPRESSION	(F)				TOTAL		TOTAL	_
(F)	0 1-2 3-4 5						- 24 25 - 26	27 - 28 29	. 30   * 31		Dry Bulb		ew l
4/ 53:	•1 •2									3	3	2	
51											- 11.	÷.	
5 / 49	•4, •7 •4	•1 •1								14	14	10	
47	6. 1.38	-1								24-	24.	_ 16-	
4: / 45	•7 2•2 •5	• 7								34	34	27	
4/ 43	1.0 1.9 1.1			<del></del>				<del></del>		33.	33.	35.	-
- 2/ 41	1.9 3.2 1.7									51	51	3 7	
	3.6. 3.7. 1.2.				· <b>+ +</b>					71.	71.	75.	
3 1 37	2.5 4.3									5.7	57	6.2	
	3.8.5.18.	<del></del>						· •		82.	82.	20.	
3 / 33	5.6 4.1 .8 7.6 5.7 1.9									88	86	92	
/ 25	3.7 4.5 .2								•-		125.	121.	1.
	5.1 3.1 .1									71	71	76	
/ 25	2.2 1.8 .2								•	35	. 7.3.		1.
2:1 23.	1.4 1.8 .1										_ 28.	38	
2/ 21	1.3 .4								+	11	= 25. 11	2å. 20	1
2 / 19.	55	•									A.	. 7.	
1 / 17	.4									<del>-</del>	<del>-</del>	. 1.	
1 / 15	5									ر پ	4.		
/ 13	.4 .2									- <u> </u>	<del></del>	3.	
1 / 11										. 1	ī	3	
. / 9	• 4									3	3	3	
	1									<u></u>	. 1.	1.	
/ 5	• 1									1	1	1	
TOTAL	43.645.310.0	<u> </u>	- +			·				·	. 237.	٠.	8
i										837		837	
						<b></b>		<del>-</del>					
	<del></del>	_ <del>-</del>								+			
			-+		+					+	<del></del>		
į				,									
Element (X)	2 4	2 x	¥		No. Obs.	<del> </del>		Meen No.	of Hours wif	h Temperatu	·r•		_
Ref. Hum.	6882418	75473	90.2	9.628	8 3 7	± 0 F	1 32 F	≥ 67 F	∗ 73 F	- 80 F	• 93 F	Т	tal
Dry Bulb	1033873	28735		7.528	837		41.3						
Wet Bulb	971899	27881		7.186	8 3 7		44.41						
Dew Paint	886386	26474	31.6		8 3 7		51.4						

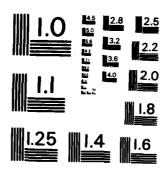
GLEBAL CLIMATOLOGY BRANCH US!FETAC AT: "EATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

									PAGE		HOURS .	- 2.5 - 3.5
Temp.		W	T BULB TEMPERATUR	E DEPRESSION (	F)				TOTAL		TOTAL	
( <b>F</b> )	0 1 - 2 3 - 4	5 6 7 8 9 1	0   11 - 12   13 - 14   15 - 1	6 17 - 18 19 - 20	21 - 22 23 - 24	25 - 26	27 - 28 29	30 + 31	D.B. W.B. E	ry Bulb	Wer Bulb	De=
~2/ 51	.4 .5							-	7	7	3	
5 / 49	8								. ₫.	9.	3.	
2-/ 47	.7 1.1 .4								15	18	lė	
4 / 45	6 2.3 .4		<del></del>						29.	<u> 29.</u>	14.	
4/ 43	.7 1.6 .1	• 2							2.2	2 <b>2</b>	7.2	
42/ 41	3.1.4.7									. £ £ .	41.	
4 / 39	3.2 2.9 1.7								۶ ۹	5 9	60	
3:/ 37.	4.3 3.2		4						. 41.	53.	63.	
7 / 35	3.9 4.5								71	71	7.2	
3 / 33	4.7.3.64									.72.	94.	
72/ 31	6.8 4.5 1.7								103	133	1^2	1
	2.9 4.3 .4		·			<u> </u>	•		. 63.	53,	73.	
/ 27	7.2 4.9								171	1 ^ 1	ز ۶	
· / 23	3.6. 2.2. 3.7 1.9		·				•		. 43.	43	\$3.	
2/ 21	1.37								47	47	43	
/ 19	.6 .2	•		• • • • • •				•	17.	17.	21.	
1 / 17	1.31.								. 12		11	
1. / 15	•5		· · · · · · · · · · · · · · · · · · ·	• • • • • • •		٠.			ا مکاست الا	12.	14.	
1 / 13	• 2								,	,	2	
1 / 11	• 2 • 1	•							<del>-</del>	7	<b>≦</b> .	
1 9	•1 •2								<u> </u>	<b>₹</b>	2	
. 1 7	• 2				•	•		• -		· ź	4	
./ 5	_1 • 1								à	9	9	
-/ 3	• 2					•			2	2	2	
/_1.										_	_	
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OTAL :	51.344.1 4.2	• 4 • t							-	237	•	£
		•							837	_	637.	
+			<del>-</del>	<del>-</del>						- · •	-	
ı					1							
Element (X)	Σχ'	z x	¥ **	No. Obs.			Mean No. a	f Hours wit	h Temperatu	•		_
Rel. Hum.	7121432	76860	91.3.8.718	937	: 0 F	: 32 F	≥ 67 F	▶ 73 F	▶ 80 F	+ 93 F	T	0101
Dry Bulb	753226	27438	32.7 8.165	837		47.7						
Wet Bulb	9.76733	26747	32. 7.888	837		49.4						
Dew Point	857431	25565	37.5 8.371	837	. 3	56.1					•	

1 4970 CRAFENHOHR AAF DI 73-81 YEARS MONTH

	22 717 551F1ED		WOMR AA FACE WE GAL APP AC/DS-8	LICATIO	DNS CEN	TER SCO	TT A	ON SE	, NI	/\$	
		-									
			<u> </u>								



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS -1963 - A

GL'BAL CLIMATOLOGY BRANCH USAFETAC AI- WEATHER SERVICE/MAC

1 ER72 GRAFENHOHR AAF DL 73-81

## **PSYCHROMETRIC SUMMARY**

MAR

			<del> </del>											CADO-	5. 📆
Temp. (F)	0 1.						EPRESSION					TOTAL		TOTAL	
+	<del></del>		7 - 8 9 - 10	11 - 12	13 - 14 -1:	5 - 16   17	- 18 19 - 2	0 21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 × 31	V.B. W.D. D	ry Bulb	Wet Build (	Dew Po
4/ 53:		. 1	'				ı	i i		i		1	1		
						<del>-</del> -	<del></del>	<del></del>					6.		
5 / 49	•6 1											21	21	12	
4-/ 47 4:/ 45		8										16	_ 16.		_
4! / 45 34/ 43.	.4 3	0 ·1										29	29	22	1
2/ 41									<del></del>			. 25.	25.		-
4./ 39.	2.4 4. 3.6 3.											61	61	40	4
3-/ 37	3.1 4									·		64.	64.		
3"/ 31 7:/ 35.												65	65	57	5
3 / 33	5.1 4								-			. 65.	65.		_
	8.2.5											80 <b>121</b>	80	80	8
7 / 29	4.7 3.											72	72	. 136. 72	1.0. 8
2 ± 1 27 .	5.3.3	·										71	71.		
/ 25	2.6 1											34	34		. Z. 5:
	2.7.1											. 34.	34.		_1.
2/ 21	2.)											20	20	25	2
1.7 19	1.2		•	1	:							. 16.	.16.		
1 / 17	1.3									•		11	11	17	1
1:/ 15.		<b>.1</b> . :										. a.	8.	7.	-
1./ 13		5	•	•—•								7	7	6	. •
1_/ 11.	٠.											1.	1	. 3.	_i
. / 9	•1											- <del>-</del> :	ī	1	_
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1/ 5	.7											6	6	6	(
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OTAL .	51.243	2 5.7							1				337.		. 83
												837		837	
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	<u>.</u>		i								1				
	,														
lement (X)	Zx'	<del>- i  </del>	ZX	¥	<b>- - - - - - - - - -</b>	i N	o. Obs.	1	··	Mean No.	of Hours wit	h Temperatur	•		
tel. Hum.	7:	143724	77010	92.0	8.34	7	837	= 0 F	: 32 F	≥ 67 F	■ 73 F	≥ 80 F	• 93 F	; · · · · · · · · · · · · · · · · · · ·	otol
bry Sulb		85904	27896		8.19		837	1	44.9		<u> </u>				9
Fet Bulb		37926	27234		7.87		837		48.2		1	<del>•</del>			9
Dew Point		69975	26099		8.19		837	<del></del>	53.0		<del></del>	<del>                                     </del>		<del></del>	9

I USAFETAC NORM 0-26-5 (OL.A). MININD MINIONS EDITIONS OF THEIR

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

STATION	GPAFENHOHR A	AF DL STATION NAME			73-81		YE	LAS				- MA	R
										PAGE	t	HOURS	110
Temp.		WE	T BULB TE	MPERATUR	E DEPRESSION	(F)				TOTAL :		TOTAL	_
(F)	0 1-2 3-4 5	6 7 - 8 9 - 10	11 12 13	3 - 14 :15 - 10	6 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 = 31	D.B. W.B. D.	y Bulb	Wer Bulb (	Dew P
4/ 63		•	4							3	3		
12/ 51,			1.			· · · · · ·				2	2.		
4 / 59	• ?	• 8 •	1							10	10		
5:/ 57						• •					7		
5 / 55		.8 .6 .	-							5.0	2 3	6	
4/ 53. 2/ 51	1.3 .8 1		<b>4</b>			+				<u>19</u>	<u>19</u>	. <u>ā</u> . 23	-
5./ 49.		.87.								. 36.	36		. 1
4 / 47		•2 •2	+	•	• • -					34	34	39	2
4./ 45		3 4								61	61		
-4/ 43	.4 2.5 2.2	•6								47	47	52	3
42/ 41	2.4. 4.3. 2.7	.5 .1								8.4.	84.	63.	6
4 / 39	1.4 3.5 1.9	.1 .1								59	5 <b>9</b>	70	6
	2.9, 3.6, 2.2	<u>. 6</u> . 1				<b>.</b>		•		. 80	8D.		
7// 35	3.6 4.2 3.1 1									100	100	93	ε
					<b></b>			•		. 67.	<u> 67</u> .		. 5
72/ 31		. 1								72	72	112	1
2 / 27	1.9 1.7		• •		•	<del></del>				. 31.	_ <u>31</u> . 24	. 55. 44	. 6
25	.4 .8 .1.									•	. 11.		4
	1.1.1		•		+					17	17	17	4
				1		:				. 5.	<b>.</b> 5.	7.	2
2 / 19	.1					1				1	1	4	1
1-/ 17				~ <del>-</del>		<del> </del> -							
1 / 15													
113		<b>-</b>			-+					1	1.	1.	
1 / 9													
TITAL	21.740.124.4 9	<u>. B 3.7</u> .	8 • 1			+					8.37		8 3
,					1					837		837	
· · · · · · · · · · · · · · · · · · ·			<del></del>						<del>i</del>	<del></del>			
]					1			į	i				
			-	<del></del>	<del></del>	+				•			
					<u>.</u>	<u> </u>							
Element (X)	2 x 2	ZX	X	•	No. Obs.					h Temperatur		· <u>-</u>	
Rel. Hum.	5773894	68638	82.01		837	= 0 F	1 32 F	≥ 67 F	• 73 F	- 80 F	+ 93 1	T	otal
Dry Bulb	1351784	32940	39.4		837		18.0		<del> </del>	<b></b>		-+	
Wat Bulb Dow Point	1191973 1013446	31^37 28418	37.0		837		27.9 39.6		<del></del>	<del> </del>	<u> </u>		- 5
	1013440	20410	340	10064	7 5 9	<u> </u>	3700		<del></del>				

GLEBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

STATION	GRAFENLOHR	STATION NAME			73-81			NRS .				MON	<del>∤B</del>
										PAGE	1	1230	14
Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0 1 2 3 4	5-6 7-8 9-1	0   11 - 12	13 - 14 15 - 1	6 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 > 31	D.B. W.B. D	ry Bulb	Wet Bulb	Dew I
<sup></sup> / 69		•	1 • 1	• 2						4	4		
£:/ 67.			12	-		+				3	3.		-
6/ 65		•	8 •4							11	11		
4/ 63		_ •2•	7	+2		· - i - ·	<del></del>			16-	16.		
2/ 61			6 • 1							13	13		
										42.	42.	1.	
' / 57	•1 •1 •1		5 • 5							19	18	11	
5// 55.			74	<del></del>	+					33-	- 30.	17-	
±2/.51.	.1 .4 .4	•5 •8 1•	1 4. "2							27 45.	27 -45.	. 29 . 30.	
5 / 40	-4 45 1.2		9. <u>*                                   </u>	+						<b>9.3</b> . 50	5 O	. <u>-30.</u> 30	
4./ 47.	.1 .6: 1.D		2 21							<b>39.</b>	39.	53.	
4: / 45	.2 1.4 3.2		2 • 1	*						76	76	71	
4/ 43		2.2								. 58	58.	_	
-2/ 41	1.1 3.9 3.6	2.2 1.8 .	5							109	109	77	-
1 / 39	1. 3.2 2.4	1.2 1.2								74.	74.	73.	
3 / 37	1.4 2.7 2.3	1.8 .5.			,					73	73	95	
	.7. 2.4: 3.5				<del></del>				~	. 58.	. 58.		
34/ 33	1.4 2.6 1.2	. 4								47	4	74	
2/ 31	4 1.3 .7.	2;		<del></del>						- 22.	22.	_ â3.	
1 27	.4 .5 .1				,					8	8	33	
2:1 27				•	<del></del>					9.	9.	12.	
1:/ 25	• 5				İ					4	4	ن 1	
26/ 23				<del></del>	·	<del></del>				<del>1</del> -	1.	2.	
2/ 21													
1 19				<del></del>	+	<del>!</del>				<b>+</b>	- •		-
1:/ 17j 1:/ 15j	1												
/ 13					<del></del>					<del>+</del> · <del></del>	•	•	
1./ 11				į.	1								
TOTAL	7.923.324.3	7.914.9 7.	D 3-6	1.1	<del></del>						937		
			, ,,,,		<u>i                                     </u>				·	837.		A 3.7.	
					1				,	1			
Element (X)	24,	ZX	X	•=	No. Obs.			Meen No. d	Hours wit	h Temperatu	r0		
Rel. Hum.	43885.27	58977	70.5	16.689	837	1 0 F	± 32 F	≥ 67 F	≥ 73 F	- 80 F	• 93 F		otal
Dry Bulb	1734311	37341	44.6	9.847	837		4.9	.8					
Wet Bulb	1397235	33647	40.2	7.307	837		15.0			+			
Dew Peint	1067942	29136	34.8	8.016	837		38.0			<u> </u>	ii	<u>i</u>	

GLERAL CLIMATOLOGY BRANCH USAFETAC AI: "EATHER SERVICE/MAC

USAFETAC NORM 0.26-5 (OLA) HIVED PRI

E37	GRAFENWOHR	AAF DL STATION NAN	AE.		73-81			EARS				MA	₹ -
										PAGE	1	1500-	<b>1</b> 7,
Temp.					RE DEPRESSION					TOTAL		TOTAL	
(F)	0 1-2 3-4	5 - 6 7 - 8 9	9 - 10 11 - 12	13 - 14 15 -	16 17 - 18 19 - 2	0 21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 ≥ 31	D.B. W.B. D.	y Bulb	Wet Builb De	P
~4/ 73					. 1				1	1	1		
71.		•			. 2	<b>-</b>				<u> </u>	2.		
/ 69		• 1	• 1	•1						3	3		
/ 67			.44					•	-	<b>.</b>	7.		
6/ 65		• 1	.4. 1.1	• 2	_					15	15		
4/ 63		12_	. 6, . 7.		.2	+		· ·			<u> 2a.</u>		-
7/ 61 / 59	2 1 4	.4 .6	1.0 .1	•5	1					22	22	1	
<u>/ 27</u> -	<u> </u>	. 1 <u>04. 104.</u> .	1.7 .2	- 42		· · · · · · · ·		+		22	<u>49</u> . 22	. <u>3.</u>	
. / .55	- 1	.2 1.2	1.0 .2		1					23	23	26.	
4/ 53	.4 .5	.5 .7	1.0 .4					•		28	<u>2.</u>	34	
2/ 51	•2. •2. 1•3	1.1 1.7	.7 .5					i .		. 45	45.	27.	
/ 49	.6 1.4	1.9 2.0	.8 .1							58	58	26	
. 47	.2 1.8	1.1 1.0	• 5							. 36.	38.	5.7.	_
/ 45	. 8 3.6	2.5 1.4	.5					•		74	74	64	
4/ 43	.7 1.9	1.2 1.1	• 5.							45	45.	64	
2/ 41	.5 4.3 2.6	3.8 1.6	.8 .2							116	116	86	-
/ 39	1.7 3.1 2.9	1.8 .6	•1	;			<del>-</del>			79.	. 79.	65.	
-/ 37	2.2 1.6 2.6	1.9 .1								62	62	95	
/ 35	.7. 2.7. 1.8	.2 .2								48	48		
4/ 33	1.1 2.2 1.6	• .								4 3	43	<b>57</b>	
./ 31	1. 1.0 .8	·								23.	23.	62.	
/ 29	4 .4	•								9	9	25	
/ 27	. 5 .1	· · · · · · · · · · · · · · · · · · ·								5	5.	. 1 <u>0</u> .	
E / 25					1							7	
2/ 21	<del></del>	<del></del>			- +	<del></del>				<del></del>		1.	
/ 19.	100	1											
1 17		•				+		<del></del>		<del></del>	· •	• • •	
₹/ 15°								•					
-/ 13:	+	· · · · · · · · · · · · · · · · · · ·				<del></del>		<del></del>		<del></del>			
/ 11					1	1 1		1	1				
/ 9	<del></del>	·			-++-	<del>-                                    </del>		<del></del>		+			
1 7	. 1	1				, i			:				
lement (X)	Z <sub>X</sub> '	Σχ	X	<b>₹</b> ,	No. Obs.	1		Meen No.	of Hours wit	h Temperatur	•		_
el. Hum.						= 0 F	1 32 F	≥ 67 F	≥ 73 F	- 80 F	• 93 F	Te	to!
ry Bulb			1										_
et Bulb							L						_
ew Point													

GLCBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR MEATHER SERVICE/MAC STATION STATION STATION NAME MAD PAGE 2 1500-1730 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | # 31 D.B./W.B. Dry Bulb Wer Bulb Dew Poin 837. 837 Ĩ 0-26-5 (OL A) 1101 Element (X) No. Obs. 56488 837 4069956 Dry Bulb 38269 34057 45.7 9.436 837 1824157 Wet Bulb 40.7 7.391 34.6 8.078 1431423 837 28961

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIS REATHER SERVICE/MAC

STATION	GRAFED	INOHR A	STATION NAME			73-81	·	YE	ARS				MA	멽.
											PAGE	1	1800-	٦
Temp.						RE DEPRESSION					TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4 5	6 7-8 9-	10   11 - 12	13 - 14 15 -	16 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 · 31	D.B. W.B. D	ry Bulb	Wer Bulb (	)e w
' <b>6</b> / 65		. 1	!	1				:			2	2		
4/ 63	•			4	+	. <u></u> <u></u>	<del></del>				<u> </u>	3.		
-7/61				. 4		1:					- 6	. 6	1	
5 / 57	<b></b>	•5 1		.2 .4			·				<del>21</del> .	21.		
5-7-57	. 5			2 .2							23.	20 23	2	
4/ 53		1.7	3-4	. 5	<del></del>		+				25	25	15	-
2/ 51	2 . 4	1.2 1		11								_ 32	39.	
51/ 42	. 5	1.3	.8 1.2		• • • • • • • • • • • • • • • • • • • •						32	32	22	
4./ 47		1.1 1					_				33.	33	35.	
4 / 45	.1 1.7			• 1							63	50	43	
44 / 43	1.7	3.0 1	.0 .2		<del></del>						49	49	62.	
62/ 41	1.1 4.9	-	.0 .7	. 2		1					103	103	70	
4 / 39	<del></del>	<del> </del>	. 6								. 74.	. 74.	73.	
3-/ 37	2.5 3.9		•7 •1								84	34	67	
<sup>3</sup> :/ 35	3.7 3.2		<u>.6</u> .1								85.	<u> 35</u> .	107.	. 1
3 / 33			• 4 • 1,								72	72	93	
/ 29	1.2 2.6	+				i	·			- +	<u>47.</u> 29	<u>47</u> 29	<u>83.</u> 42	
2 / 27	.5 1.1										20	20.	27.	_
/ 25	.2 .7	+			<del></del>	<del></del>	·				9	9	<u>.</u>	_
2-/ 23	_			1							7	7	9.	
2/ 21		*			:		1						5	
~ / 19		1			<del></del>						<b>.</b>			
1./ 17	. 1	1			•		•							
1 / 15	<u> </u>	+			·		<del></del>				<b></b>			
'4/ 13	i I		:		! .		•							
1. / 11			<del></del>	<del></del>	<del></del>	<del></del>								
TATAL	14 - 7 32 - 3	29.415	.2 6.8 1	9 1.4	•1	1					836	836	836	8
- <del></del>	<del></del>	+			<del></del>	+	<del></del>			_ +	0.30		030	
				!					1					
	<del></del>	<del></del>	· <del>-     -  </del>		<u> </u>	+								-
Element (X)	24'		ZX	X		No. Obs.	<del> </del>		Mean No.	d Hours wil	h Temperatu	<del>,</del>		_
Rel. Hum.	520	8781	64809	77.5	14.869	836	2 0 F	1 32 F	≥ 67 F	■ 73 F	- 80 F	• 93 F	7	***
Dry Bulb		1691	34373		8.364	836		12.5				1		
Wet Bulb		2011	31809		7.068	836		23.7		ļ	<del></del>			_
Dew Point	101	9708	28504	34.1	7.570	836	l	39.0		i	<u>i</u>		.1	

GLGBAL CLIMATOLOGY BRANCH USAFETAC AID WEATHER SERVICE/MAC

STATION	UKAP	ENHOHR	STA	TION NAME			73-81		YE	ARS				MON	TH.
												PAGE	: 1	HOURS IN	- 23,
Temp.			,				E DEPRESSION					TOTAL		TOTAL	
(F)		2 3 - 4	5 - 6	7 - 8 9 -	10 11 - 12	2 13 - 14 15 - 1	16 17 - 18 19 - 20	0 21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 - 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew F
· / 57			. 4				•					3	3		
'4/ 53	+	.1 .6	• 1.	•1								<del></del>	4. 11		-
2/ 51	-1.	45		_ •1								12.	12	_	
5 / 49	_	.4 1.1			1							36	36	12	
4-/ 47		2. 1.4				·	· · ·	•				25.	25.	- •	
4 / 45		.3 1.6 .38		•1								56 - 24.	56 24.	45 38.	
42/ 41		.2 1.6				· · · · · · · · · · · · · · · · · · ·						64	64		
<u>4 / 39</u>	3.1.5	1. 1.6		· · · ·								. 82.	32.		
3 / 37	2.7 4			• 7								66	66	77	
3 / 33	6.1 6	• 7: 1 • 6 • 0 • 8		1.								111	111	89. 177	1
32/ 31			• •	_							_		103		_
' / 29			)									66	66	66	-
	1.7. 2					· · · · · · · · · · · · · · · · · · ·	· · ·				<b>-</b> -		43		
26/ 25 24/ 23	•2 1											15	15	25	
2/ 21		alkal a4				• • • • • • • • • • • • • • • • • • • •		•				. <u>23.</u> 5	<u>23</u> .	19. 13	
1 / 19		.1,	<b></b>		···• · · · · · · · · · · · · · · · · ·	•			·····			4	-	6.	
11/ 17	and the second second	• 1										2	2	2	
1c/ 15.		- <del></del>	•			· · · · · · · · · · · · · · · · · · ·				• -		1	1.	2.	
1_/.11	!	1					- • <del></del>								
	23.450	.415.9	3.6	1.6	. 1	+						•	837	·•	8
	1											. A37.		837.	_
i	i :	:													
	<del></del>			<del></del>	•	+ +	· · · · · ·	<del>*</del>				<b>+-</b>			-
	·							<b></b>			•			<b>-</b>	_
<u> </u>	<del> </del>		<b></b>		<del></del>	<del>*</del>	<del>-+ +</del>	• • •			-+	<b>+</b>			
	<u> </u>		<u> </u>				<del></del>								
Element (X)	z <sub>X</sub> ,		Z		X	<b>"</b> 8	No. Obs.				of Hours wil	<del></del>			
Rei. Hum.		355723		12296		11.530	837	2 0 P	5 32 ₽	≥ 67 F	≥ 73 F	- 80 F	• 93 1	' <u>.</u>	letel
Dry Bulb		<u>171125</u> 069965		30705 29389		7 7 3 1 4	837		29.1		<del>                                     </del>	<del> </del>	+		
Dev Point		999163		27431		7.350	837 837	<del> </del>	35.2		<del> </del>	+	<del></del>		

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI'S WEATHER SERVICE/MAC

STATION	GRAFENWOH	STATION HAM	<u> </u>		7 <u>3-81</u>			EARS				MA MON	띭 _
										PASE	1	MOURS IL	1. s. v
Temp. (F)	0 1.2 . 3 . 4				URE DEPRESSION					TOTAL		TOTAL	
14/ 73	0 1.2 3.4	5 - 6 7 - 8 9	. 10 11 - 12		• 16 17 • 18 19 • 2	21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 - 2 31		Pry Bulb.	Wet Bulb (	Je w
7/71					• 0					1 2	. 1 2.		
' / 69		•0	.0 .0		<del></del>			•		7	7	•	
6 / 67			.11	• 0						1.3.	10.		
6/ 65	•	۵.	•1 •2	•0						28	28	•	
4/ 63		• C. • C	.2 .2	•1	• 0:					42.	42.		
·/ 61		•1 •2	.2 .0	•1	• 0					4.3	43	2	
/ 59		2. • 3. • 6.	.23	1						. 122.	122.	4.	
-/ 57	• • • • • • • • • • • • • • • • • • • •		•2 •1							73	73	26	
5 / 55		3 • 3 • 5	<u>• 3,   • 1</u>							<u>. 100</u> .	100	. 50.	
4/ 53	• ~ • 3 •	- • • • •	• 3; • 0:							114	114	88	
5 / 49	•1, •5, •	8 • 5 • 5 · 5 · 5 · 6	•1, •1 •1 •0							194	184.	134.	
5 / 49 4} <b>/ 47</b> ]	.3 1.0 1	3	•1. •0							255 . 227.	255	139	
4 / 45	4 2 1 1 a	9 1 . 3 . 5	•1. •0	<u> </u>						419	<u>227.</u> 419	<u>264.</u> 331	_1
4/ 43	4 1.6 1.	5 • 7: • 2:	.1.							. 303.	303.	378.	2
2/ 41	1.7 4.2 1.	9 1 1 . 5	,2 ,							653	653	46C	ų
4 / 39	2.3 3.6 1.	8 .5 .2	·n							. 5ú2.	562	553	4
3 / 37	2.7 3.5 1.	4 .5 .1					*			550	559	610	5
7:/ 35	2.9 3.8 1.	8 . 3 . 1				<u> </u>				590	590	679	6
3-/ 33	3.7 3.9 1.	1 •2 •0				,				600	600	704	6
2/ 31	4.7 3.9 1.	3 • 1		<del></del>						619	619	826	_7
7 / 29	1.9 2.9			,	i	İ				349	349	439	5
7-/ 27	2.7 2.1					·				343,	343	415.	6
·/ 25	1.2 1.1	T			4	i				156	156	207	3
2./ 23	1.2 1.1 .	<del></del>				<del></del>	<del></del>	<del></del>		157.	157.	. 147.	4
2/ 21	.6 .3					1		;		58	58	91	1
1 / 17	• 3 • 2				<del></del>		-+	<del>                                     </del>		36.	36.	<u>41</u> .	_1
1 / 15	2. 0			i						28	28 17	17	
1./ 13	1 1	+ + +			<del></del>	+		<del></del>		15	17. 15	12	-
1./ 11		n :								. IS.	5	8	
1 9	1 0	<del></del>			<del>-+</del>	<del></del>		<del></del>	<del></del>	7	<u></u>	<del></del>	
./ 7	1	1 1 .			1 .				1		ú.	6	
lement (X)	z <sub>X</sub> ,	2 x	T T	·,	No. Obs.			Mean No.	of Hours wit	h Temperatu	re		_
tel. Hum.						5 0 F	± 32 F	≥ 67 F	# 73 F	- 80 F	• 93 F	T.	otal
Dry Bulb											I .		
Not Bulb									Į				
Dow Point			1			1	l					i	

GECRAL CLIMATOLOGY BRANCH US AFETAC **PSYCHROMETRIC SUMMARY** AT WEATHER SERVICE/MAC STATION STATEMENT AND STATION NAME MAR .... WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30: + 31 D.B.-W.B. Dry Bulb Wer Bulb De 17 1 -3 -:/ -7 1 6695 6695 \* # V/46 0-26-5 (OL A) 3 3 2 5 Element (X) No. Obs. Mean No. of Hours with Temperature Rei. Hum. +67 F - 73 F - 80 F 1 0 F 1 32 F 46944434 550518 6695 38.5 9.541 36.1 7.999 32.9 8.0 2 Dry Bulb 10526071 257667 6695 201.5 744 9159165 241771 252.6 3 360.7 6695

6695

Dew Paint

7697682

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

AM 64 0-26-5 (OL A)

# **PSYCHROMETRIC SUMMARY**

1 6870 GRAFENWOHR AAF DL 73-81 YEARS APR MONTH
STATION STATION HAME PAGE 1 C030-3232 Hours (U.S. T.)

<del></del>										3-0-		<u></u>							HOURS ()	
Temp.			-			WET	BULB '	TEMPER	ATURE	DEPR	ESSION (	F)	:1		•• ••!	-al	TOTAL		TOTAL	
(F)	0	1 - 2		•	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	. 30 2 31	D.B./W.B.	Dry Bulb	Wer Bulb	Dew Po
5:/ 55		. 1	. 3			ļ				!					i	1	3	3		
. 4/ 53			<u>.                                    </u>	. 4	1		<del> </del>				<u>.                                    </u>						4.	4	. 1.	
2/ 51	• 3	. 1	. 1	• 1			1										5	5	4	2
5 / 49	. 8.	5	1.0	5		i •	<u> </u>		<b>.</b>	·	•						. 22.	22	9.	
4:/ 47	• 5	1.6	1.4	. 5	.1	i				1							3 3	33	13	4
4:/ 45.	1.1	3.0	1.8	. 1.0	1	<u> </u>				i			1				. 56.	56	44.	23
44/ 43	• 3	3.4	. 8	. 6	)					i	:					•	40	40	39	17
42/ 41	3.0	5.9	. 8	4	L		<u> </u>	:				•					30.	26	. 71.	64
4 / 39	1.6	3.4	2.0	. 4	)			•		-	-						59	59	66	6.2
3-/ 37										:							57.	5.7	61	62
T·/ 35	2.9	6.2		•							•				-	<del></del>	80	36		66
3 / 33			1.3				1	ı		:						4.	117	117		
52/ 31		6.0					•	+	•	,							101	131		127
7 / 29		3.8															50	50		
2:1 27		3.0					• • • • • • • • • • • • • • • • • • • •		•	•	<del></del>	•					55	55		79
26/ 25		1.1	• • •			:			ı								23	23		
74/ 23		• 3		-	•	<b></b>	<b></b>	·	+	1	•			•			5	5		3
2/ 21	. 4		i						į								3.	3	. 5	19
1 19			•	*	-		• • • • • • • • • • • • • • • • • • • •		<del></del>	:		• •					1	1	1	13
10/ 17:											:						•	•	•	•
	32.5	51.5	11.5	4.2	. 4		+	<del></del>	•	+	<del>†                                      </del>			+			*	794	•	794
	J _ J				1									1			. 794.		194	
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1			,		t				i		1	, !				İ	1			
Element (X)		I,		<del>                                     </del>	Σχ		Ī	•,	<del></del>	Ne. O	bs.	<del></del>			Mean No.	of Hours wi	th Temperati	,re		
Rel. Hum.			1731	<del></del>	699	71	88.1	<u></u>			94	1 0 F	. ,	32 F	± 47 F	* 73 F	= 80 F	• 93	F 1	Fetel
Dry Bulb			1424		291		36.6				94			27.0		1	+		- +	9(
Wet Bulb			8088		280		35.3				94			33.7		$\vdash$	+	+		9(
Dow Point			2920		264		33.3				94			44.4		<del> </del>	+	+	<del></del>	95
FORM		Z	676	<u> </u>	409	79	2303	603	77		77		<u> </u>			ــــــــــــــــــــــــــــــــــــــ				7.

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIN MEATHER SERVICE/MAC

STATION STATION NAME STATION NAME

# **PSYCHROMETRIC SUMMARY**

MONTH

			<del></del>									HOURS	
Temp. (F)	0 1-2 3-4 5	.6 7.8 9.10	T BULB T	EMPERATUR	E DEPRESSION	(F) 21 - 22 23	- 24 : 25 - 26 :	27 - 28 29 -	30 + 31	TOTAL D.B. W.B.	ory Bulb	TOTAL Wet Bulb	Dev
- / 57	.1		4	14   12 - 7									
5. / 55.										. 1.	1		
4/ 53	•1									1	1	2	-
-2/ 51					·•	•				. 3.	3	. 1.	
e / 49	.3 .5 .1									7	7	5	
/ 47.	<del>-1.5 -3 1.1</del> -				<b></b>					. 19.	- 49	14.	
4 / 45	1.5 2.5 1.3	. 4								4.5	45	25	
44/ 43		•1	<b></b>			<del></del>					35		
12/ 41	2.3 3.9 1.8	• 6								68	b 8	-	
4 / 33			<del></del>		+	·	·				38	_	
3 / 37		• 3								72	72		
?:/ <u>35</u> ,		.1			<del></del>	•				. 54.	5.4	-	-
3 / 33	5.4 5.9 1.1 7.3 6.3 .5									99 112.	99 112		
7 / 29	3.5 5.8			· · · · · <del>· · · · · · · · · · · · · · </del>		•				74	74		. 1
	7.2 2.5 .4									8.2	9 1 2 2		. 1
1 25	3.5 1.1									37	37		
21 23.	1.6.1.6		_	:						26.		•	
	1.3								· · · • · · · · · · · · · · · · · · · ·	13	10		
1 19	8 1									. 7.	7.	6.	
··/ 17	• 3									2	2	3	
	3				<del></del>				-	2.	2	. <u>.</u> .	
13													
1./ 11.										•		• •	
TOTAL :	44.442.6 9.5 1	1 • 5.									793		-
										. 793.		. 793.	
1	•												
			•		+	•				• •		• - •	-
*										•		• •	-
<del></del> +			<del></del>		1					+		• .	
					<u> </u>								
Element (X)	ΣX'	Zx	¥	<b>*</b> a	No. Obs.		,			h Temperatu			
Rel. Hum.	6592674	71932		9.618	793	± 0 F	1 32 F	≥ 67 F	+ 73 F	- 80 F	• 93	F	Te10
Dry Bulb	979216	27332		6.851	793		39.7			+			
Wet Bulb	921866	26557		6.451	793		44.8				+		
Dew Point	843113	25295	31.9	6.766	793		52.9				1		

GLUBAL CLIMATOLOGY RRANCH USAFETAC AID REATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

AP.3

								PAGE		ABURS T	3.1
Temp.		F	ET BULB TEMPERATI		reminente remineration of the residence			OTAL		TOTAL	
(F)	0 1 2 3 4 5	6 7 8 9 . :	10 11 - 12 13 - 14 - 15 -	16 17 - 18 19 - 2	0 21 - 22 23 - 24 25 - 26 2	7 - 28 29 - 30		B. W.B. D	ry Bulb	Wer Bulb !	De w
4/ 53	.1 .1							2	2		
12.151		.1	1					.7.	7.	1.	
5 / 49	.4 1.8 .6	.3 .1 .	. 1					23	27	11	
<u>. / 47;</u>	1. 1	.11				_		. 24.	. 24.	17.	
4 / 45	1.1 3. 2.8 1	•1 •1 •	.1			• -		66	66	31	
4/ 43	.9 3.0 1.4	• 3.						44	44	46.	
:/ 41	2.6 5.3 1.5	.8 .1	• • • • • • • • • • • • • • • • • • • •		• • • • •	<b>-</b>	• • • • • • • • • • • • • • • • • • • •	8.2	32	75	
4 / 10	1.6 3.3 1.9	• 3.						56.	Š6.	63.	
1 / 37	3.6 4.1 1.5	.9 .1			** **- **-	•	• •	8.2	52	69	
/ 35	3.8 5.4 1.5	• 3.						£.7.	§ 7.	9.3	
3 / 73	5.1 5.6 .8	•1				•		93	93	176	
/ 31		• 1						105.	1 17	141	1
/ 79	2.5 3.8			• •		•	•	155	5.3	5.3	•
. / 27	3.9 1.5 .4							46	46	5 u.	
/ 25	· 5				• • •-	•	•	23	, ,	24	
2 , 23	.4 1.0							11.	11.	7.	
2/ 21	•5					•			44.	10	
/ 13	<u> </u>							7		. 2.	
/ 17	•1	***			• • • • • • •			<u> </u>	1	1	
1/18_	**							•	•	•	
7 13		- •			<del></del>		•		•	•	
T JAL 3	34 - 3,45 - 0,13 - 4, 4	.3 .6 .	. 4						797.		7
•	\$1.25 <b>32</b> 4 145 14 144 144 144 144 144 144 144 144				*****			797	. 2.2.	797	•
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	· ·-• · · · · · ·	<b></b>		*			** *		•	•	
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					·····				•	•	
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					<del></del>		•		•		
-1											
	and the second second			No. Obs.		Agen No. of H	ours with 1		78		
Element (X)	Z X 2	Z X	Y Z	NO. 001.	L ·						
Element (X) Rel. Hum.	2x² 6306678	70290	88.211.625	797	± 0 F ± 32 F	≥ 67 F	73 F	. 80 F	• 93 F	T	0101
			<del></del>		<u> </u>	≥ 67 F : ±	73 F	■ \$0 F	• 93 F	T	0101
Rel. Hum.	63/16678	70290	88.211.625	797 797	±0 F ± 32 F	≥ 67 F	73 F	■ 80 F	• 93 F		

STATION STATION NAME 73-31

SLERAL CLIMATOLOGY RRANCH USAFETAC AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

STATION	GRAFENHOHR	STATION HAME			73-81		YE	ARS -				MON	<del>) 2</del>
										PAGE	1	CO CO-	11-
Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0 1 2 3 4 5	-6 7-8 9-1	0 11 - 12	13 - 14 15 - 1	6 . 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 - 31	D.B. W.B.	ry Bulb	Wet Bulb !	Dew Po
.6/ 65			. 2	•1						3	3		
4/ 63.	<del> </del>		-	7		<del></del> -				12	12		
18/ 61		•? •	7 .5	•1 •	1:					14	14		
			9. 1.1		<del></del>					29.	29.		
5:/ 57	• 2	•4 1.2 1.		• 1						29	29		
5: / 55.		<u>-5-1-5-1</u>					<del></del>						~
4/53			7 .4	• 1						39	39	9	
51.		La2. 1a2a			+					47.	47.		
5'/ 49	.2 .9 1.5		5 • 2							61	61	49	
47.	1 1.2 2.1		71.		<del></del>	*				54.	54.		-
4'/ 45	.9 3.1 2.9 1		5 .2							97	90	80	4
44/ 43.			2						<del></del>	53	53.		4
127 41	•6 3.9 3.3		4							99	99	69	9
4 / 37.							<del></del>		- •	64.	64.		
3-1 37	1.2 3.9 .9	.9 .4								5.6	58	68	8
1 35.	1.2 4.1 1.6	. <u></u>			<del></del>		<del></del>			. 56.		116.	- 6
3-/ 33	2.5 2.0 .2									38	39	78	7
72/ 31. 7 / 29	_1.291_			<del>-</del>						18.	18.		-
24/ 27	•1 •4									4	4	6	6
7:1 25	1	<del></del>			<b></b>					1		5.	_
2:/ 23:													2
22/ 21						•				···· ·· · ·		· · · ·	Ž
2/ 21					1								
1./ 17												··· · -•	
1./ 15.													
14/ 13							~_+··+		+	•		•	
	9.225.721.316	4.418 6 7	0 4 5	1 . 4	1						9.31.		8.2
- LN- +		24.34.4	7, 4.3	A B-3+ B-	<u> </u>	<del></del>				871		871	
				1	•					0.1		0.1	
	<del></del>				<del></del>	<del></del>			-	<del></del>			
:				1	1	1							
				<del>+</del>	<del>+</del>					<del></del>	•	•	
Ilement (X)	24'	Z x			No. Obs.	بلحنم	<del></del>	Maga No	d Maura ari	h Temperatu			
let. Hum.				17.994		:07	: 32 F	# 67 F	+ 73 F	- 80 F	. 93 F		 otol
bry Bulb	4310787 1689321	56969		7.989	801	= 0 -	2.6	* • / •	* /3 *				
Net Bulb	1362859	36225 32683		6.052	801					+	•		9
Dew Point	1044503	28421	35.5		801		7.1		<del> </del>	+	•		<del>3</del>
-u- ruini	LUSTOUL		3305	O 1 1 2	861		31.6		1		i		9

A 0-26-5 (OLA) senses nevious tenions of this notes at

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

6370	GR	AFEN	HOHR	AAF	DL TATION N					73-6	â 1.			ARS				AF	
STATION				•		AME							,,	.AR3		PAGE	1	1200-	-14
					· :													HOURS	. S. T
Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	DEPRE	19 - 20	21 - 22 Z	3 - 24 25 - 26	27 - 28 29	- 30 = 31	TOTAL D.B./W.B. D	bry Bulb	TOTAL Wer Bulb	Dew f
74/ 73	,		,					• 1					,			1	1		
71						<del>-</del>	<del>-</del>	-1	1	-1				·			3_		
7 / 69					i	١.,	•1	.1 1.0	• 2	i	ļ					7 20	7 20		
6/ 65						- 2		1.4	• 5		• 2		+	<del></del> -		24	24		
4/ 63			1		6	i .	2.2		7		• • •		-			53.	53.		
2/ 61				. 1	•		1.1	.6	.1			•				25	25		
/ 59				. 4	1.4	3.0	2.9	•5	4							. 68.	68.	3.	
51 57			• 2	1.9		1.0		. 2	• 2							3.2	32	7	
5. / 55		1	. 9	• 2		1.2		1	<b></b>	<del></del>						36.	36.	15.	
4/ 53		_	• 2			1.1										44	44	32	
2/ 51 5 / 40		2			1.5					<del></del>		+		<b></b>		42	_ 42.	78.	
-/ 47:	• 1	• 1	1.1		1.2											48	48	64 - 63.	
10/ 45		2.0						<del></del>		<del></del>		-				77	77	- 1943. 87	
4/ 43	• •	.6	_		j	1.0										50	50	59.	
2/ 41	• 2	3.1					+	;		1 -						92	92	72	
/ 39	. 4	2.4	3.5	. 2	. 4		<b>.</b>		<u></u>	1						55.	55.	90.	
3./ 37	• 5	2.2	.9	1.1	:	,		; ;								38	38	78	
7// 35	• 7		. 4	-1			+	<u> </u>	·	<del>, , ,</del>						. 26.	26.	102	
3-/ 33	1.4				;					٠ .						13	13	40	
2/ 31	. 4				•		•			<del> </del>						<del> 3.</del>		. 15.	-
2 / 27	i I					t									1			1	
21 25		-			•	-		·		++	•					++	•		
2-/ 23						!		1 .		. :									
2/ 21						1	•			•			•	!		•			
/ 19						<u> </u>	!	L								<del>.</del>			
c/ 17		_		_			: 1				_				i				
TAL	4.5	13.4	16.1	15.4	13.4	13.9	12.0	6.6	3.1	1 . 5,	<u>• 2</u> ,		<del></del>	<del></del>			831		8
į	;				:		i					i		:	i	801		601	
			-		,		1				•				-				
lement (X)		z <sub>X</sub> ,			z <sub>x</sub>		X	•,		No. Ob	. 1		<del></del>	·		th Temperatu			
el. Hum.			3555		480			19.5				10 F	1 32 F	≥ 67 F	a 73 F	≥ 80 F	• 93 F	·   T	Petel
ry Bulb			0755		400			9.5		81	_		- 3	3.5	<u>• 1</u>	1	<del> </del>	-+	
for Bulb			4170		344	_		6.4			01		2.1		<del> </del>	+	<del> </del>		
Dew Point		102	4752		281	14	<u> 15.1</u>	6.8	9 1 i	8	<u> </u>		32.4	L		4	<del></del>		

USAFETAC NOB 0-26-5 (OL.A) NIVED INVOLVED TONIONS

GLCARL CLIMATOLOGY BRANCH USAFETAC AT- WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

STATION	GRAFENHOHR.	STATION NAME			73=31_		YEA	RS			-	- AP	유
										PAGE	1	1 S T C	- <b>3</b> 7
Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0 1-2-3-4 5	-6 7-8 9-1	0 11 - 12	13 - 14 - 15 - 1	6 17 - 18 19 - 2	20 21 - 22 23	24 25 - 26	27 - 28   29 -	30 = 31	0.8./W.B. D	ry Bulb 1	Net Bulb (	Dew Pa
4/ 72				•		1				2	3		
77/ 71					54					14			
/ 69			_	.4 .		3				9	8		
£ / 67		·				4				26	26_	•	-
6/ 65			-	1.0 1.	5 • 5 1					26 4a.	26 48.		
./ bl	1	های بلادهای بادیاهای ۱ ۱	1 1.6							31	31	1	
/ 59	-				_						12.	1	
: -/ 57	•1	.9 1.			-					27	27	8	
5: / 55	1.		3. 1.1		-					24.	24.	13.	
4/ 53	•1 •8	1.3 1.6 1.		• 3						5 3	53	37	
_2/_51_		8 1 8 1			_					. 51.	51	Š6.	
5 / 40		1.0 1.1 1.								37	37	91	1
1.47.	.1 .3 .6	1.4 1.9 1.	B4							51.	51.	66.	
4-/ 45	.3 1.3 2.8	3.1 2.3 1.	3							87	87	75	3
54/ 43.	4 1 4	2.8.1.9	3					<b>.</b>		46.	¥6.	68.	. 4
42/ 41	.3 2.9 2.5		4							e 4	54	69	7
	.9. 2.1. 2.5.									53.	53.	97.	
	1.1 .9 .8	• 1								23	23	75	8
		erren der sentren er e.c.								18.		71.	£
3-/ 33	.8 .8									12	12	40	8
	5,										4.	12.	. 1.2
7 / 25 <sub>1</sub> 25/ <b>27</b> :													6
/ 25		<del></del>			<del></del>								
2 / 23	;												
2/ 21				·									1
2./ 19.													•
1-/ 17				·	<del></del>								
1 / 15									4				
1-/ 13													
ISTAL .	4.311.313.31	5.413.815.	310.5	7.3.4.	5 2 5 1 a	4 3					797.		79
	,	!				i i				797		797	
Element (X)	Z <sub>X</sub> '	2 g	X	7,	No. Obs.		<del></del>	Meen No. of			•		
Rel. Hum.	2960659	45 13		19.916	797	2 0 F	± 32 F	≥ 67 F		. 80 F	• 93 F	T	atal
Dry Bulb	2142617	40587		9.754	797	<u> </u>	• 5	5.6	2,				9
Wet Bulb	1527122	34530		6.252	797	<del></del>	1.1				L		9
Dow Point	1000012	27734	34.8	6.624	797	1	34.4						9

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI: «EATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

6877	GRAFENWOHR AAF DL STATION NAME		73-81		YEA	LRS				AP	R
								PAGE	1	1800-	200
Temp.	WET BU	JLB TEMPERA	TURE DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11	- 12 13 - 14 15	5 - 16 17 - 18 19 - 2	21 - 22 23 -	24 25 - 26	27 - 28 29 -	30 > 31	D.B. W.B. D	ry Bulb W	et Bulb [	Dew P
/ 69		,	•1 •4			,		4	4		
£ / 67.				<b>4</b>		·		1.	1		
6/ 65	•1	•1 •5	•5 •1					11	11		
4/ 63	6	.6, .8,	. 3,					<u> </u>	18_		
. / 61	•3 •8 :		• 1					5.3	20		
<u> </u>	.1 .4 .5 .6 2.3	<u>• 7.   • 8.</u>						45.	45.		
' / 57	.1 .6 1.3 1.1	• 5	• 1					28	28	1	
5_/ 55.	<u> </u>	<u> </u>		<del>-</del>				34.	_34.	. 9	
4/ 53	.4 .1 .6 1.5 .9 .9	• 3						37	37	19	
<u>. i/ 51.</u>	<u>•3. •9. 1•4. 1•6. 2•3. •6.</u>							56.	_56.	42	
K / 40	•4 •5 2•P 2•1 2•3 •8	. 4						67	67	55	
41.41.								4.2.	42.	65.	
4 / 45	2.8 2.5 2.8 2.0 .4							8.3	83	96	
<u>-4/ 43.</u>	1.4. 1.3. 2.7 1.7 .3.							4.7.	47.		
2/ 41	.8 2.7 5.1 2.8 1.3 .1							9.8	98	70	1
4/33	1.6.2.1.2.541			•				54.	54.	82.	
3 / 37	1.7 3.3 2.0 .4							5.3	53	82	
<u>' / 35</u> .	.6 3.9 1.9							. 51.	51.	95.	
3' / 33	1.8 1.3 .5	1						28	29	63 35	
2/ 31	<u>•6, •8;</u>							11.	. 11.		. 1
7 / 29	.4 .1							*	•	•	
2 / 27				+				•			
2.7.25							1				
7-/ 23		<del></del>		+				<del>-</del>		•	-
2/ 21.	i e e										
1:/ 17:											
1:/ 1/					,	:					
TAL	3.120.522.516.513.510.2	4.3 2.7	1.0 .6 .	1			+	4	792	· · ·•	7
	3-150-355-310-35-310-5			-				. 792.		792	•
		<del>-                                    </del>		+							
1				<u> </u>				<u> </u>			
						7		,			
Element (X)	Z <sub>X2</sub> Z <sub>X</sub> 3	•	No. Obs.	L		Mean No. e	f Hours wil	h Temperati	ire .		
Rel. Hum.	3977786 54202 6	8.418.39	6 792	2 0 F	s 32 F	≥ 67 F	+ 73 F	■ 80 F	+ 93 F	1	etel
Dry Bulb		6.7 8.60	1 792		1.7	.6					
Wet Bulb	1399973 32939 4	1.6 6.16	4 792		4.9				1		
Dew Point	1044434 28304 3	5.7 6.45	2 792		32.5				i		

SLEBAL CLIMATOLOGY BRANCH USZFETAC AT REATHER SERVICE/MAC

STATION	284EEN#OHS	STATION HAME			73-61		YE	ARS				MÔN	<del>) 2</del>
										PAGE	1	2100-	-23
Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0 1.2 3.4 5	6 7-8 9-1	0 11 - 12	13 - 14 - 15 -	16 17 - 18 19 - 2	0 21 - 22 23	- 24 25 - 26	27 - 28 29	· 30; = 31	D.B./W.B.	Dry Bulb	Wet Buib I	Dew F
/ 59	.1	• 1				,			i	2	2		
										···			
5./ 55	•1		3							6	6	1	
	<u> </u>									19.	19.	. 4.	
12/ 51			3							25	25	5	
	<u>. 1 </u>	103 All _	<b></b>							51-	51.	14.	,
/ 47		1.4 1.1								44	44	29	
	1.1. 3.54.3. 1			• • • • •	+						86.	75.	
4/ 43	.4 3.8 1.9	•9 •1								56	56	79	
	1.3.7.6.3.3.1			·· ·-	•				<del></del>		106	86.	,
4 / 75	1. 2.3 2.9	• 6								54	54	76	1
3/37		- <b>4</b>								. 60.	_	61.	
′ / 35	2.3 5.6 1.5	• 3								76	76	9	
3 / 33		<b></b>	•				<del>-</del>				92.	103.	
31	2.3 3.9 .5									5.3	53	9.3	1
<del>-1 - 2 2</del> -	6, 3.5,4	· - · · · -	-·-	· · ·	• •			· · · · · · · · ·		36_	36.	39.	1
7:1/27	1.9 1.5 .1									21	21	23	
										3.	3.	12.	4
?-/ 23													
2/ 21			• ~-	•						*** - · · · *	•	•	
1:/ 17													
	17.845.222.6	) A 3.7	8 . 1	*- <del></del>		***			- +	•	792		7
	1.1043122210		. • 1							792.	7.72	702	,
				•	<del></del>					. 13.		192.	
					1								
						<del></del>				• •	•	•	
,				1 1									
					1					• •	•	•	
				$1 \perp 1$									
			!	1	(					·- ·- ·	•	•	
			<u>i</u>	<u>i i</u>	<u> </u>	<u>         i                           </u>					_		
										•	•	-	
Element (X)	21'	2 2	X	-	No. Obs.	<del></del>		Mass Ma	4 14	h Temperan			
Ref. Hum.						2 0 P	± 32 ₽	# 67 F		- 80 F			efe i
Dry Bulb	5472827	65035		12.942	792	2 4 7	<del></del>	**/ *	- /3 7			· ''	
Wet Bulb	1319831	31863		6.926	792	<del></del> -	12.5		<del></del>	<del></del>	•		
	1166206	30018 27616		6.000	792 792	<del> </del>	19.0 37.0		·	<del></del>	<b>.</b>		
Dew Point													

GLOBAL CLIMATOLOGY PRANCH USAFETAC AT- WEATHER SERVICE/MAC

STATION	GRAFENHOHR A	AF DL STATION HAME		7.3-6	il	YE 4	RS.				. AI	R I'H
									PAGE	1	AQURS .	
Temp.			T BULB TEMPERA						TOTAL		TOTAL	
(F)	0 1 . 2 3 . 4 . 5 .	6 7-8 9-10	11 - 12 13 - 14 -1	5 - 16 17 - 18	19 - 20 21 - 22	23 - 24 25 - 26	27 - 28 - 29 -	30 • 31	D.B. W.B.	Dry Bulb	Wer Bulb	Dew P
4/ 73			•0	• Q	• C ,				3	3		
71.			<u> </u>							17.		
1 59			• ^ • 1	-1 -1	•0				19	19		
<u> </u>		لها يكه بداد		4_14_3.				•	47.	_ 4.7.		
6/ 65	_	•	· • •	• 3 • 1	• D				64	64		
4/ 63.		<u>. 1</u>								- 131.		~
/ 61			5 •5 •2	•1 •0					90	9.0	1	
/ 59.		a 3. a 5. lai							216.			
/ 57	• 1	.3 .4 .		• 1		•			121	1 ? 1	16	
5_/ 55.		• <b>2</b> . • <b>5</b> . •.						···-• ·-	. 136.		91.	
4/ 53	•1 •1 •4	. 8 . 8		• )					109	199	104	1
_ 2/ 51. 5 / 49	•1. •5. •7.	7 9							. 236.	2.36	212.	
5 / 49	.4 .8 1.3	• 9. • 8. • .							313 311	313 311	300 337.	6
4 / 45	.8 2.7 2.6 1	• 9 1 • 3							<u></u>	59g	<u>. 221</u> .	. 9 24
4/ 43	.5 2.2 1.4 1	•2. •5. •							371	371	484	
2/ 41	1.4 4.4 7.6 1	.9 .7 .						·	729	<u>3.1.4.</u> 709	559	62
4 / 30	1.2 2.5 2.5	. 5 - 1	• :						433	433.	589.	
7 / 37	1.1 3.3 1.7	.5 .1							443	443	590	59
1 / 35		• 1.	i						448	448	_	
3 / 33		, j	<del></del>	++			• · ·		490	497	625	64
4/ 31		• 2							402	402		
7 30	1.2 2.2	* **							218	218	253	55
2 / 27.	2. 1.1.1.1								203.	2 J 3	210.	59
/ 25	1. 3		•						8.3	83	108	26
2 / 23	2 .4.								42.	42	_	
2/ 21	.3	• •	• • • • • • • • • • • • • • • • • • • •						17	17	35	- 9
1 / 19	.1 .0								10.	10	9.	6
/ 17	.5								3	3	4	3
1./ 15	4.1					i			2	2	2.	1
1/13	<b>-</b> · ·	•										
1/11.						·						
TOTAL	19.931.916.310	.4 7.4 6.	1 3.9 2.2	1.1 .6	•2 •0	–				6367		636
Element (X)	21'	2,	7	No. Obs	. )		Mean No. o	d Hours with	6367		6367	
Rel. Hum.	39062397	482359	75.819.89			± 32 ₱	≥ 67 F	≥ 73 F	• 80 F	+ 93 (	- 1	Forol
Dry Bulb	1 192118	271302	42.6 9.96			110.9	9.7	. 3		i.		72
Wet Bulb	9930551	247297	39.8 7.15		,7	145.0				1		72
Dow Paint	7778448	218456	34.3 6.66	8 636	.7	310.1				1		72

SECRAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

1 6370 GRAFENWOHR AAF DL STATION NAME

### **PSYCHROMETRIC SUMMARY**

- MAY

PAGE 1 OCCO-OSCO WET BULB TEMPERATURE DEPRESSION (F) TOTAL 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin (F) 4/ 63 • 1 / 61 .7. 7.. / 59 .2 .6 .1 •6 •2 15 15 / 57 1.2. .9. .2. 23. 5- / 55 1.2 1.5 1.0 • 2 32 32 L 1.5 3.4 2.4 .2 4/ 53 62. 62. 43. 10 2/ 51 3.0 3.8 1.6 • 5 73 73 8.3 52 5 / 49! 2.3.6.3.2.6. .2 . .94... 94. 84. 67 4. / 47 2.1 4.4 1.7 • 1 68 68 86 70 3.2, 5.2, 1.8. 46/ 45 93. ....93. 121. 14/ 43 3.5 2.4 1.3 63 63 75 82 12/ 41. 3.B. 4.6 1.2 46. 9.1 84. 34. 65. 2.1 3.5 .7 4 / 39 . 9 59 59 67 50 1 37 2.2.2.8. .5. 65. 64 7 / 35 .5 3.0 .5 33 33 41 40 3. / 33 \_1, 2.1 23. 23 41. 41 2/ 31 .7 1.3 17 17 43 1 29 45. 49. 41. 12. 12. 11. 25 2 / 27 17 1.) 1.1 19 17 35 1/ 25, 12 21 23 2/ 21, ..2 27.747.017.8 5.5 1.9 .6 .2 822 822 ZX Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 5 0 F : 32 F + 73 F ■ 93 F 6307872 71392 86.911.436 822 Dry Bulb 1737486 45.4 7.427 43.5 6.854 5.2 37296 822 93 Wet Bulb 1593127 35747 822 6.6 93 Daw Point 41.5 7.295

73-81

(OL A)

ŧ

0.26-5 12 USAFETAC

GLURAL CLIMATOLOGY BRANCH Usafetac Al- Weather Service/Mac

STATION	GRAFENWOHR A	STATION NAME			73-81		YEA	ias — — -				MA	TH
										PAGE	1	D3DG-	ņs,
Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0 1-2 3-4 5	-6 7-8 9-1	0 11 - 12	13 - 14 15 - 1	6 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 - → 31	D.B. W.B. C	ry Bulb	Wet Bulb C	)es F
1.57	•1 •2	• 1								4	4		
/ 57		•4.		· · ·	. <b> -</b>	·					9.	3.	
5 / 55	.5 .6	• 7: • 1								16	16	2	
<u>· 4/ 53</u>		• 4.								4.4	44.	1.a.	
62/ 51, 5./ 49.	1.6 2.3 1.0	• 6								45	45 .ag.	46 72.	. !
7 47	3.8, 4.5; 1.1 3.5 3.0; .7	• 1		<del></del>						61	a	95	
4 / 45	5.2 6.8 1.6			· · · · · · · · · · · · · · · · · · ·		*** · · · · · · · · · · · · · · · · · ·					114.	92	1.
4/ 43	2.8 2.6 .2	.2 .2			+	***		•		50	50	94	•
2/ 41	4.8.6.0.1.2									. 101.	101.	6C.	
. / 10	2.7 2.8 1.0							•		53	53	66	
3./ 37.	6.7. 1.57.	•1								. 74.	74.	93.	,
71/35	2.2 2.8 1.0			,						47	цγ	4.6	
3./ 33.	<u>.6. 3.2 .1</u>			·						32.	32.	3â.	
72/ 31	2.1 2.3									36	36	58	
1 / 29.				•							17.		
1 27	2.2 .6									23	23	23	
21/ 25.			•	<del></del>		·				1 <u>1</u> -	. 11.	10.	
2 / 23	.1 .1									2	2	4	
2/ 21				·	-+						1.	1.	
	47.743.012.2 3	8.4 .6									927.		8
		<u> </u>		+		+		<b>→</b>		829		8 2 Č	
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+			<del></del>	<del></del>	+	++-				<b>*</b> +-	•	•	
_ i	1 .			. 1									
Element (X)	Z <sub>X</sub> '	Z X	X	· .	No. Obs.			Mean No.	of Hours wit	h Temperatu	10		
Rel. Hum.	676 3455	73995	97.2	10.086	820	2 0 F	1 32 F	4 67 F	+ 73 F	→ 80 F	• •3 F	T.	•1•1
	1538892	34997		7.482	820		10.2		·	·	•	·	
Dry Bulb		33922	41.4	7.110	820		12.8						
Dry Bulb War Bulb Daw Point	1444702	33455		7.498					<del>+</del>		+		

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

1 6870 GRAFENHOHR AAF DL STATION NAME

### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

PASE 1

MAY

9450-4850

93

93

TOTAL TOTAL WET BULB TEMPERATURE DEPRESSION (F) 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31 D.B. W.B. Dry Bulb Wer Bulb Dem Por 71/71 •1 •1 64.65 22 64/ 63 .1 .5 .8 1.0 .2 22 \_ \_ 5, \_ \_4, \_ 1. 13. .2 .2 1.1 .6 .6 24 24 / 57 1: 1.2 1.1 30. 30. 10. 5-/ 55 .1 1.1 2.4 1.4 . 4 5 Ç 53 18 4/ 53, 1.1 3.6 2.9 1.0 .6 .1 7.7. 2/ 51 2.3 4.2 2.1 .4 .4 .2 79 79 93 50 2.5 5.0 2.3 .8 94. 94. 107. £D % / 47 1.6 3.4 1.6 1.2 .8 .1 72 72 78 80 4. / 45. 3.5. 5.8. 2.3. 1.2. .5. 111. 111. 109. 140 2.1 3.5 .6 1.0 91 4/ 43 • 2 61 61 76 77. 94. 4 / 39 2.2 1.6 1.0 4 C 40 65 3:/ 37, 2.3 1.3 ..7. 59 \_ 36. 45. 36. 7 / 35 1.1 .8 39 16 16 31 3./ 33. \_\_\_2\_ 2.1 19. 19. 23 727 31 .7 1.1 15 15 23 41 \_\_\_\_4. 21 2.1 27 .6 .2 7 21 î./\_25..... a 1. ... 2-/ 23 IOTAL 23-237-318-710-3-6-8-2-9 -7. -1 .\_ 328. \_\_ 928

No. Obs.

828

828

828

: 32 F

4.2

X

68638

39472

37243

82.914.438

47.7 7.548

45.7 6.469

73-81

FORM 0-26-5 (OL.A). REVISED REVIOUS EDITIONS OF THIS FORM ARE DES-

Element (X) Rel. Hum.

Dry Bulb

Wet Bulb

Dow Point

5862214

1928804

1709783

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP #EATHER SERVICE/MAC

0-26-5 (OL A)

#### **PSYCHROMETRIC SUMMARY**

STATION STATION NAME 73-81 MAY \_\_ PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Builb Wet Builb Dew Port - / 81 .1 .1 1 79 7:1 77 5 . 1 5 . 8. •5 1•1 •1 •1 14/ 73 15 15 c/ 71 .1 .4 .7 .7 .4. 23. .4 1.2 .7 .6 / 69 25 . . .2. 1.1. .8. .6. E. / 67. .4 1.0 1.3 6/ 65 . 7 **78** 28 al 1al 1a4 2a2 1a2 a7 al 5.7. 57. •1 •6 •6 1•3 1•9 •8 •5 •2 1•8 2•3 3•1 1•6 2•3 •5 49 49 / 59 .\_\_94\_ 32. -/ 57 •9 1•6 3•7 1•6 1•3 •7 8.2 82 53 5// 55 •1, 1•7, 1•6, 3•2, 1•3, •5, \_\_ 11\_ 77 79 4/ 53 .1 2.7 2.2 2.3 2.5 . 7 94 84 90 34 2/ 51 .8, 1.4, 2.2, 1.4, .8, 1.1, .4 124. 68 68. \_61 5 / 49 .6 1.7 1.2 1.4 51 •6, •5 98 51 81 4.1 47 1.7 1.8 1.0 .6 44. 112. 83 4. / 45 •5 1•1 1•3 1•1; •7 39 4/ 43 .7 .6 .8 .5 22. 22 37 12/ 41 .1 1.2 • 1 15 35 87 4 / 39 •1: •1 •2 3-/ 37 •1 5 21 41 3-/ 33 19 12/ 31 3.7 7 / 29 1 27 TOTAL 4.912.015.618.614.913.213.7 5.9 3.0 .8 Element (X) No. Obs +67 F +73 F +80 F +93 F 834 3669866 53278 63.917.881 2 0 F Dry Bulb 2734678 47248 56.7 8.342 8 34 11.9 Wet Bulb 2298695 49.8 5.958 834 Dew Paint

GLEPAL CLIMATOLOGY BRANCH USAFETAC AI: MEATHER SERVICE/MAC

USAFETAC now 0.26-5 (OLA) etruto menous torrons or tes rose and obsours

1 FR7	GRAFENWOHR	STATION NAME	<del></del>		7 <u>3-</u>	.81			. IRS		- <del>-</del> · · · ·		A	<del>                                     </del>
											PAGE	Ţ	1.200	<del>1 neo</del>
Temp.			WET BULB								TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4	5-6 7-8 9	- 10   11 - 12	13 - 14 15	- 16 17 - 18	19 - 20 21 -	22 23	- 24 25 - 26	27 - 28 29	- 30 · · 31	D.B. W.B. p	ry Bulb	Wer Bulb (	Dew Point
6/ 85							1	• t			1	1		
14.83.		<del></del>				. 4 -			· · · · · · · ·		3.	3.		
/ 61					•2 •1	_	-				12	12		
7 / 77				<u>^1</u>	-12				<b></b>	· · · · · · · · · · · · · · · · · · ·	9-	3.		-
6/ 75		1	• 1 <del> 2</del>		•6 •8 1•8 1•1	1.4	-				2.8 3.П.	2.8 30.		
4/ 73	<del></del>	<del></del> . 1	4		1.2 1.0				*		28	<u></u> 28	•	
71					1.76						34.			
1 69		•1	.2 1.0	. 8	.6 .1	7					24	24		
4 67.			1.6 .6	1.2	. 4.	·					33.	33.	1.	-
67 65	•1	•2 •6	1.2 1.0	1.4	.7 .5	5					4 8	48	5	
4/ 63.		6. 1 . 6.	2.5, 4.6	. 1.4.	8						98.	. ⊋8.	11.	
16 /3.	• 2		1.1 2.2		• 5 <sup>1</sup>	1					59	59	25	1
1.59.	57.		2.3, 2.9								161.	1.1.1.	53.	4
57		2.4 2.6	1.3 .8	.4	• 1						71	71	92	9
5./ 55. 4/ 53		_ <u> </u>	-44						*****		. 44.	44.	62.	12
1 2/ 51	1.1 1 7	.4 .8 1.2 .7	.7	• 2							36 43	36 43.	96 114.	17 . 32.
5 / 49	.5 2.2 1.3		<u>. 6</u>						·		43	43	110	75
1 47	.5 .4 1.7	• • • •	.2.								22_	22.	100	79
4: / 45	.4 .4 .7		• 2			+			•		28	28	56	119
47.43.	_al la2 _a6								<b></b>		. 22.	. 22.	33.	87
- 2/ 41	•2 •5	• 1	• 2								9	9	26	141
4 / 39.	66										<u> </u>	<b>.</b> .	35.	63
3 / 37	• 1.										1	1	14	42
/ 35						<del></del>					·	· · -	3.	24
3-/ 33													1	27
1 / 29				·					<del></del>	<del>+</del>	<b>-</b> · · · · · · ·		2.	4.3. 1.5
2.1.27									r					_ 19
7 / 25					<del></del> -				•		<del></del>			12
2 / 23	· · · · · · · · · · · · · · · · · · ·										1 .			6
2/ 21						<del>,                                    </del>					<del></del>		*	1
16/ 15														
Element (X)	2 ¥,	2 1	X	•,	No. O			<del>,</del>			th Temperatu			
Rel. Hum.		· 	<del> </del>		1	=	0 F	1 32 F	≥ 67 F	≥ 73 F	• 80 F	• 93 F	T	0101
Dry Bulb		ļ	<del> </del>	<b></b>	<del>-i</del>			<b> </b>	<del> </del> -	<del> </del>	+			
Wet Bulb Dew Point			<del>                                     </del>		+				<del></del>	<del>                                     </del>	+			
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GLERAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

STATION	GRAFE	NAOHR	STATION N	AME			73-81		YE	ARS				M	<del>                                     </del>
												PAGE	?	1230 -	14,
Temp.			····	WET BUL	B TEMPE	RATUR	E DEPRESSI	OH (F)				TOTAL		TOTAL	
(F)	0 1-	2 3-4	5 - 6 7 - 8	9 - 10 11 -	12 13 - 14	15 - 1	6 17 - 18 19 -	20 21 - 22 2			30: * 31	D.B./W.B. D		Wer Buib	
TOTAL .	· · · 2 · 8 ·	2 9.11	0.314.3	13.315	.110.4	8.	8 4.4 2	•6' 1 • 2, - <del></del> -				. 834.	. ≘ 34 	a34.	93
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Element (X)	27,		Zx	X	•,		No. Obs.					Temperatu			
Rel. Hum.		76166	455		618.7		e 34	± 0 F	± 32 F	≥ 67 F		- 80 F	• 93 F		Tetal
Dry Sulb Wet Bulb		17464	505 427		6 9.5 2 6.1		834 834		.2	22.5	12.4	1.9	<del> </del> -		<u> </u>
Dew Point		56239	355				834	+	10.6	**			<del></del>	+-	

SLUBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 6372 STATION STATION HAME 73-51 YEARS MAY MONTH

(F)  ° E / 35  - / 37  - / 81  - / 79  7:/ 77	0 1 - 2 3 - 4	5 · 6 7 · 8 9 ·	. 10 11 - 12	2 13 - 14 -1:	5 - 16   17	- 18 19	- 20 2		3 - 24 25 -	26 27 - 28 29	- 30 - 2 31	V.B. 4.6. D.	y Bulb 1	Ter Buib 1	Dew
-/ 87 -/ 81 -/ 79 7:/ 77		• • • • • • • • • • • • • • • • • • • •	··· ·					_					-		
7 / 81 7 / 79		• • • • • • • • • • • • • • • • • • • •	··· ·					• 2,				2	- 2		
7:/ 77						•1.	+2.	· ·				3	3.		
7:/ 77					• 1	. 4	• 2	. 8	• 2			15	15		
		····				-6	4.	•2.	-1				11		
					1.2 1		. 7	. 4				3.5	38		
6/ 75							<b>.</b> 6				- +	. 22.	22.		
74/ 73				1.4		• 7	• 2					3.3	30		
			A1. A			-1	4						29.		
1 69			•5 1•3	3 1.7	1.0	• 5	• 1					4 3	43		
<u> </u>							-2				+	_	41.	1.	
· <b>6/</b> 65		. 4	.8 1.	7 1.9	. 4	• 2						45	45	3	
-4/ 53.	نه سواسان د د	2 8 5 2		i. 27.	1.8.							. £7.	98.	14.	
· 27 51	•	8 1.2 .5	.8 1.4	4 1.3								51	51	31	
	a2_1ai	8 1.9 1.8 2	-3. 2al		-1.							3.9.	99.	55.	
· / 57	-1 -1 -1	8 1.6 2.3 1	. 3 . 4		• 1							58	5.5	82	
5_/ 55	a1,_a5,1ai	6, 1.8, 2.2, 1	نم لم					-				6.7	6.7.	94.	
-4/ 53	•1 •7 1•	4 1.0 1.0	•2 •!	5 • 2								43	43	89	
12/ 51.		7 5 5	<u>. 5 </u>	L								44.	44.	. 91.	
5 / 49	•1 •8 •		• 1									19	19	120	
	1	8 2 2	• 2	·							-	19.	19.	111.	
4 / 45	•4 •7 1•		• 2									32	32	51	
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2/ 41	.4 .8 .	*	• 2									1 3	13	33	
4 / 33.	.4 .6	Z								<b></b>		13_	10.	19.	
3 / 37														15	
1/ 35					· · · · ·		_ <del>.</del>					<b>.</b>		.3.	
3:7 33;															
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3 / 77															
		· ·										<b></b>	-		
/ 25															
2./ 23+		+	+	+	<del></del>							<del></del>			
16/ 15															
11/13	<del></del>	<del></del>	<del></del>	4-4	+		. ,/.			<del></del>	130	4 7			_
Element (X)	2 %	ZX	X	- " <u>#</u>	No.	Obs.					<del></del>	h Temperatur			-
Rel. Hum.		+	<del></del>	+				O F	± 32 F	≥ 67 F	# 73 F	• #0 F	93 F	· + T	010
Dry Bulb			<del> </del>	<del> </del>					+	<u> </u>	↓	<b>1</b>			_
Wet Bulb Dew Paint		<del> </del>	<u> </u>	<b>_</b>					<del>-i</del>	<u> </u>	-	·	L		

GLOBAL CLIMATOLOGY BRANCH USAFETAC A - WEATHER SERVICE/MAC

STATION	SAFENHOHR A	AF DL STATION NAME		73- <u>81</u>		···					MAY
									PAGE	~	1520-170
Temp.			T BULB TEMPERATUR						TOTAL		TOTAL
(F)	0 1 2 3 4 5	-6 7-8 9-1	0 -11 - 12 13 - 14 15 - 1	6 17 - 18 19 - 20	21 - 22 23 -	24 25 - 26	27 - 28 29 -	30 > 31	D.B. W.B. Dr,	Bulb	ver Bulb Dew Po
TAL	1.9 7.511.110	.613.711.	612.414.6 8.	6 5.7 3.1	1.7	4				353	a :
									22S.	-	ø19.
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Element (X)	2 * '	2 x	X .	No. Obs.	<del></del>		Mana Ma	d Maura with	Temperature		
Rel. Hum.	27)2552	44488	53.719.431	828	2 0 F	± 32 F	≥ 67 F		- 80 F	• 93 F	Total
Dry Bulb	3191771	53815	61.3 9.642	829		- 32 -		13.5	2.7		9
Wet Bulb	2224635	42633	51.5 5.972	828		• ?	•1	_ • - • 3			
Dew Paint	1546286	35290	42.6 7.143	828		9.5	• • • •				9
		77.79	1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3								

GLERAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

STATION GRAFENHOHR AAF DI

### **PSYCHROMETRIC SUMMARY**

PAGE 1

- MAY

93

1830-3000 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-15:17-18:19-20 21-22:23-24:25-26:27-28:29-30 + 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) t/ 35 . 1 · / 81 • 1 / 79 / 77 . 4 £1 75 .4 1.0 4/ 73 19 1.6 . 1 1.71 . 7: 1.2 29 .1 1.1 .9 21 9, 1.5, 1.0 36. 35. 1 67 6/ 65 .4 1.2 1.2 • 2 74 54 4/ 53. 1.9. 59. . 5 ./ 61 .2 .9 1.2 1.9 .9 1.0 56 .6 . 1 16 49 147 148 342 143 141 41 / 59 34 À4. 39. / 57 .1 1.6 1.7 1.7 1.1 1.7 67 67 11 63 55 .2 .7 1.3 2.1 2.2 1.2 74. 36. . 4 39 4/ 53 .4 1.1 2.2 2.4 .9. 63 63 91 4.7 47 3.7 2/ 51 7 1.9 1.5 AA. 5 / 44 .5 1.9 2.4 .6 1.3 61 61 99 23 .35. 15. 111. 74 1 47 1.3 1.3 .9. .4. 4 / 45 .7 1.6 1.6 .5 1.3 44 44 71 162 ĩ٦. 22 4/ 43: <u>-2 1-1 -6 -5</u> 46. 74 2/ 41 • 5 13 13 4 / 39 .7: .2 12. 12. 15. 50 . 4: 20 44 3 / 37 • 1 • 6 . 1 26 33 3-/ 33 2/ 31 35 1 / 20 14 11 1 25 10 TATAL 4.114.315.313.214.212.010.8 8.3 4.4 1.8 1.2 823 923 Element (X) Rel. Hum. 10 F ± 32 F 3538076 51618 62.719.124 823

823

823

57.5 9.083 50.2 6.079

43.6 6.917

47346

41316

0-26-5 (OL A)

Dry Buib

2791560

2104510

1601397

GLIBAL CLIMATOLOGY BRANCH USAFETAC Als Reather Service/Mac

STATION	SPAFENHOHR A	STATION NAME			. (		YEA	RS.				MA	1 4
										PASE	1	2120-	2
Temp.		WI	T BULB T	EMPERATU	RE DEPRESSION	(F)				TOTAL		TOTAL	_
(F)	0 1-2 3-4 5	6 7-8 9-1	0 11 - 12	13 - 14   15 -	16 17 - 18 19 - 2	0 21 - 22 23	. 24   25 - 26	27 - 28 29	30 - 31	D.B. W.B.	bry Bulb	Wet Built D	)e,
4/ 73		•	1		1					1	1		
	····	•			1					1.	1.		
7 69			1	• 1						4	4		
6/ 67			.2							4	. 4.		
4/ 63			2 75.	• 4						. 22.	- 6 22.		
4/ 51			:'. <b>≜.⊒.</b> :5	<del>2. Å</del> • 1			- /= wm •			23	23	1.	
/ 59	.2 .4 .9 3									6.3.	_ 60.	4.	
/ 57			2	- # <b></b>	<del></del>				•	48	48	16	
5 / 55	1. 1.7 2.8 1	. 3 . 6 .	2 .							6.3.	.63.	52.	
4/ 53			4				•			79	79	36	
	****		2. •1.			<b></b>				. 76.	76.	89.	
5 / 45			4							8.6	36	56	
			Z							. <u>6</u> 2.	60.	96.	
4/45	· · · · · · · · · · · · · · ·	•5 •5 •6 •6								115	115	106	
2/ 41		• 6 <u>.</u> • 6,		• •	• • =	•			- •	. <u>45.</u> 47	. 45. 47	83. = 1	
	.6 1.3	1.								17.	17.	53 44	
7 / 37	.7 2.2 .4	TE				*				27	27	33	
	.1 1.1						_			13.	13.	2ê.	
3 / 73	•6 •2		• • •					•	• •	7	7	14	
_ 🛂 31	1.1									. 9.	9.	12.	
1 / 20	•1 •4									4	4	3	
	<u> 6.</u> <u>5.</u>							·· •		. 9.	9.	12.	
/ 25													
<u> </u>	15.333.221.116		0 1 0			•		•			337	•	
		<b>e</b>			• 1 					823.	323	823.	
·· •					-+	·				. <u>9.6.2.</u>	•	erj.	
						<b></b>							
							_					•	
					·								
					•								
Element (X)	Σχ'	ZX	Ţ.		No. Obs.	<u> </u>		Mean No. a	f Hours with	Temperatu	<del>/•</del>		_
Rel. Hum.	5359216	65.33	79.3	5.119	923	# 0 F	± 32 F	± 67 €	≥ 73 F	• 80 F	• 93 F	To	D† 0
Dry Bulb	2098128	41 58		7.785	823		2.5	1.1	. 1		•		_
Wet Bulb	1815129	38267	46.5	6.672	823		3.1						_
Dew Point	1579735	35565	4.7 3	7.219	823	1	10.7						

GECHAL CLIMATOLOGY BRANCH DOZFETAC AIR REATHER SERVICE/MAC

STATION SRAFENHOHR AAF DL STATION NAME

# **PSYCHROMETRIC SUMMARY**

MAY

STATION			STATION NA	ME								TEARS						MON	(T H
															P	ASE	1	HOURS	٠,٠
Temp				WET	BULBT	EMPERA	TURE (	EPRES	SION (F)						TOTA	N.L		TOTAL	
(F)	0 1 - 2	3 - 4 5 - 6	7 - 8								- 24 25 -	26 27	28.29	. 30 3	D.B. W	/.B. p.	y Bulb 1	Wer Bulb	De =-
		- · · · -• ·										• :						•	
الكف كمنت									. 1.	• ,		•				7.	7.		
/ 31						-	• 1	. 1	. 1	• 2	. 0	- •	- +		• •	32	32	-	
. / 79						. 0					• D					29.	29.		
7 / 77		•	-••	-· •		• 1	• 3	. 4	. 3	. 1	• • • •			•		e a	80	•	
75			- 3	. <u>.</u> <u>.</u>	•1.		5.	-	- <b>1</b> .		<b></b>						73.		
4/ 73	• •	•	• • •	• 7	• 2	• 5	. 4	• 3	•0			- +	•	•		92	92	•	
-1 11.			a .a	. D.			• •	1	• •		<b>.</b>				. 13	-	115.		
1 59	•			• 2	. 6	• 5	3	•1	.0			• -	•-	•	-	17	117	•	
£_/ 67.		٠			5.		2									¥.2.	143.	2.	
£/ 65	•	-		.6	. 7	•6	• 2	.1				•				5.3	153	14	
4/ 67.		a1. a		1.4	-	8	.4.		_						. 3	-	358.	34.	
/ 61	•1	.4 .1		. 8	. 7	. 5	. 1	•					•	•		5 5	255	99	
/ 59.	3.	1.2 1.5	5. 1 a B.	1.1.	1.1.	- 4.	a C.								_	11.	4ā1.	189	
- / 57		1.1 1.		. 8	. 4	• 1	• 7									8 8	339	324	
5.7 55	. 2. 1.0.	146.14	6 1.1	• 5.	.3.	2.					•					23.	423.	w11.	
4/ 53	.7 2.1	2.1 1.	2 .3	• 3	• 1	• 1										9.8	488	554	1
11/ 51.	1.2.2.5.	1.6	94.	. 4.	2										4.	75.	475.	728.	•
5 / 49	1.5 3.3	1.8 .	7 .4	. 3	• -										5.2	28	£ 28	776	6
±_/ 47	1.2 2.3	1.2.	5 4.	. 2.								_		÷	. 3!	81.	351.	779.	6
4 / 45	7.7 3.5	1.6 .	8 •6	• 1											5 '	76	576	673	10
	1.5. 1.6.		5 2.				<b>-</b> -							_	29	20.	290.	465.	6
	1.6 2.2			• 1												38	338	393	7
	1.2 1.4	4	2										<b>-</b> -		21	26.	2.26.	. 326.	4
	1.6 1.1	• 3 • 1														95	195	306	4
					+-				<del>-</del>			- ·			11	12.	112.	169.	2
3 / 33	•2 1•3	• ^														3 2	8 <i>2</i>	130	5
	<b> 4.</b> 7.													<del></del>		17.	77.	124.	3
/ 29	.2 .3	• 3					- 1									3 7	37	37	1
<u>~_/_27</u> .			<b></b>											<b>-</b> -			56.	61.	1
/ 25	•1 •1							,							-	12	12	13	
	عد جد						+			· •							<b>Z.</b>	4.	
2/ 21	• 3															1	1	1	
Element (X)	Z g'	<del></del>	ZX	1	¥ .	·	1 1	lo. Obs.	- 1	· · · ·		Mo	en Ne.	of Hours	with Temp	0101UF	•	-	
Rel. Hum.										10 F	= 32		67 F				• 93 F	7	otal
Dry Bulb		Ī			!						1								
Wet Bulb											I				1	1			
Dew Point				T												•			

USAFETAC nom 0.26-5 (OLA) Brinto mirrori torions or tins nom att ossociti

GLOBAL	CLIMA	TOLOGY	BRANCH
USAFETA	C		
AT- MEA	THEP	SERVICE	ZMAC

									PAGE	,	HOURS L.S.
Temp.		WE	T BULB TEMPERATU	RE DEPRESSION (	F)				TOTAL		TOTAL
(F)	0 1 2 3 4 5	-6 7-8 9-1	0 11 - 12 13 - 14 15	16 17 - 18 19 - 20	21 - 22 23 - 24	25 - 26 27	- 28 29 -	30 • 31	D.B. W.B. D	ry Bulb	Wer Bulb Dew
1:/ 15											
	1+. 25.215.111	.0 9.0 7.	2 6.4 5.0 3.	1 1.6 .9	.4 .0	• 7	•		•	5613	- 56
						•			5612		6612.
			_+								
			•								
			•		•	· · · ·	-				
		• •	· · · · · · · · · · · · · · · · · · ·		•	•	•				
				· · · · · · · · ·		•	-	+		•	
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			<del></del>			•				•	
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				· · · · · · · · · · · · · · · · · · ·	<del>-</del>	· · · · ·		<u> </u>	+-		
				······································		······································					
									·•		
								··			•
										· ·	
Element (X)	2 4,	2χ	X 9	Ne. Obs.		Me	ren No. el	Hours with	Temperatur		
Element (X) Rel. Hum.		Z <sub>X</sub> 474165		No. Obs. 6612	± 0 F	32 F	₩ 67 F	Hours with	Temperatur > 80 F	re	Total
	36976417		71.721.205	6612		32 F	₩ 67 F				
Rel. Hum.		474165				32 F		± 73 ₱	• 80 F		Torial 7

GLEMAL CLIMATOLOGY BRANCH USAFETAC ATM HEATHER SERVICE/MAC

USAFETAC FORM 0-26-5 (OL A) REVISO REVISOS EGINONS OF THIS FORM ARE OBLOTTED

#### **PSYCHROMETRIC SUMMARY**

STATION	GRAFENHOHR	STATION NAME	<del></del>	73-81		YE AF	15	-			걕	LN:
									PAGE	t	acau-	320
Temp.		WE	T BULB TEMPE	RATURE DEPRESSIO	ON (F)				TOTAL		TOTAL	
(F)	0 1 2 3 4 5	-6 7-8 9-1	0   11 - 12   13 - 1	4 .15 - 16   17 - 18   19 -	20 21 - 22 23 -	24 25 - 26 2	7 - 28 29	- 30 - 31	D.B. W.B. [	ry Bulb	Wer Builb C	Dew P
1. / 71	. 1		• 1						2	2		
		- <del>- 2</del>	<b>. 1</b>	· · · · · ·	•		•	•	4.	4.		
· / 67	• 1	•1 •1 •	5						7	7	1	
64 651	<u> </u>	<del>-</del>		· · · · · · · · · · · · · · · · · · ·				-	5	٤.	1.	
4/ 63		1.7 .1	_						24	24	4	
/ 59			1	• · · · · •	• • • •				41-	41.	22.	_
•	1.5 5.3 1.9	•9 •5							9.1	31	41	3
<u>/ 57.</u> 5 / 55	1.4. 3.1. 1.1. 1 2.9 3.9 1.6	La24 - 1. -4	•	• • •	•				54.	54.	75.	3
5 / 55 _4/ 53.	7 2 9 7 2 6	. 4							73	73 118.	7: 77.	7
- <del>92 22.</del> -67 51	4.1 5.2 1.9	• 2					•		. 118. 92	92	130	7
4	4.8. 4.8. 2.7	• 2							92 . 98.	92 98.	131. 12á.	•
	2.4 3.5 1.7		· • · · · · · ·						. 95. 56	36. 56	75	11
•	2.4.5.22.	•1							. 62.	62.	75.	5 9
	7.4 1.6		• • • •		•	• •	-	**	. 62. 72	32.	63	7
	a5_1a6a2_								. 19.	19.	15	4
4 / 39	.7 .9 .1		· · - ·		- • · · • - ·	• •-	•	•	. 14	14	1 â	2
•	1.46	•							. 16.	16.	22.	ž
1 35	.2 .4							• .	. 10.	5	6	1
	_ 1 . 4								ú	4.	3	•
77 31	•1		_ • •					-	- i	1	4	
<u> </u>										-	•	
1 27	•				· • · · ·			•	• •	•	•	
STAL .2	7.648.815.3	5.6.1.9	6 .2							8.15.		BC
	,								875		8 7 5	
•				<del></del>				<b></b>	·	·		
								<del></del>	<del></del>			_
			•	:								
lement (X)	2 %'	ZX	X .	R No. Obs.					h Temperatu	**		
el. Hum.	6372574	71162	88.410.	090 935	10F	± 32 F	≥ 67 F	+ 73 F	• 80 F	• 93 F	T	0101
Dry Bulb	2243711	42159	52.4 6.	671 805			1.5				_ +	. 9
Wet Bulb	2080988	40638	50.5 6.	057 805		. 4	.1	·	•			9
Dow Point	1955811	39371	48.9 6.			. 8						9

SLUBAL CLIMATOLOGY BRANCH USAFETAC A: AEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

STATION	GRAFENWOHR A	STATION NAME		73-81		YE	ins			-	JL Mon	Ţ
									PAGE	1	C 3 D D -	- Ç.
Temp.			ET BULB TEMPERATU						TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4 5	6 7 8 9	10 11 - 12 13 - 14 - 15 -	16 17 - 18 19 - 2	0 21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 🔹 31	D.B. W.B. (	bry Bulb	Wer Bulb	De w
16/ 65	•?								2	2		
4/ 63	. <u> 1 • 1</u> . • 5	• 4. • 1.							. 17.	17.	1.	
. / 61	•2 •9 •9	• 1							17	17	15	
/ 59	9 3.7 .9	e.5 e.4.							51	51.	21.	
' / 57	2.6 4.3 .1	• 5							5.8	5 8	5.7	
5 / 55	4.1.2.5.4	. 2.							. 5£.	. a.S.	. 75.	
- 4/ 53		. 4		•					72	72	55	
_2/ 51.	3.0 6.8 2.0	•1.							96.	25.	-	
5 / 4 :	5.7 6.1 1.2			• •	•		•		103	103	116	
47	4.0 3.5 1.1								. 6.9.	6.9.	92.	1
4. / 45	4. 8.2 .1			• •	• •	•	•	•	99	99	78	1
4/ 43	?•8. 2•5.										-	
2/ 41	3.5 2.6			•		• • •	•	•	. 43.	+3.	£7.	
-											43	
<u>-6 / 39 .</u> 3 / 37	1.7. 1.9.		• • •	• •		•	•	•	. 29.	29.	29.	-
	1.5 .4								15	15	27	
	<u> </u>	• . • •							14	.14.		
3 / 73	•4 •2								5	5	9	
	<u>•4. •5.</u>		· · · · · · · · · · · · · · · · · · ·					•		1.	5.	
7 / 27	•4 •1								4	4	6	
		+					-					
TITEL	39.150.1 8.0 2	•2 •5								B ( A		8
	· · · · · · · · · · · · · · · · · ·								£8_		818.	
				···········			- · ·		<b>.</b>			
					-•							
		······							<b></b>			
				<del></del>					<b></b>			
									+			_
ı												
Element (X)	2 x2	ZX	X *A	No. Obs.	1		Meen No.	of Hours wit	h Temperatu	r•		
Rel. Hum.	688 1533	74287	91.9 7.921	8 3 9	: 0 F	± 32 F	≥ 67 F	≠ 73 F	- 80 F	• 93 F	7	etai
Dry Bulb	2 - 34 5 6 3	40173	49.7 6.799	808		1.2		1	•	•		
					<del></del>			<del></del>	·	<del></del>	<del></del>	
Wet Bulb	1933793	39183	48.5: 6.458.	838	i	1.2						
Wet Bulb Dew Point	1933793 1850717	39183 38313	48.5 6.458	8 J 8 8 D 8	<del> </del>	1.2		•	•	•		

GLEBAL CLIMATOLOGY BRANCH USAFETAC AF: AEATHER SERVICE/MAC

ARE OBSOLUTE

EDITIONS OF THIS FORM

(OL A)

0.26.5

12

USAFETAC

STATION STATION NAME

#### **PSYCHROMETRIC SUMMARY**

Will's

PASE 1 2825-3825 WET BULB TEMPERATURE DEPRESSION (F) 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 .31 D.B. W.B. Dry Bulb 11 75 7. 14/ 73+ / 71 . 5 .2. .1. 1 691 · b. *- 1 67* •1 •1 •6 •1. •5. •7. 17 17 • > 61.65. .7. .5. 23. . 7 4/ 63 1.1 2.1 3.7 . 1 5.8 53 **.7**. --/ £1. .2. 2.1. 2.1. 1.5. 50. 34. a 5... <u>. 50.</u> / 59 1.5 5.9 2.8 1.7 1. 107 44 107 51 / 57. 1.7. 4.0. 2.5. ...5. 74. 74. ٥1 .خ.م 5 / 55 1.9 3.6 3.7 • 2 77 77 91 .77. 72 77. 4/ 52 - 1.4. 5.4. 1.4. 1.2 41. 82. 2/ 51 2.6 3.2 2.8 . 4 • 2 75 75 86 5\_/ 49. 3.7. 3.7. 2.1. **a 1**. 4 / 47 7.1 2.1 1.4 46 46 CB 76 • 1 4\_/ 45\_ 2a1. 3a3. . a4 • 2. 46. 46. 59. 86 47 4/ 43 1.4 1.2 23 23 53 <u>2/41.1.4 .9.</u> -66 4 / 31 • 5 10 17 6 12 • 5 • 1 . 1 3:/ 3?. .. **.3.** R \_\_\_\_\_\_. / 35 ٠2 5 7 3 / 33. \_4. 12/ 31 3 1 29 1 ICTAL 21-737-321-411-5 4-9 2-3 1-2 -2 No. Obs. Mean No. of Hours with Temperature Element (X) +67 F | +73 F +80 F +93 F Rel. Hum. 5833549 2477529 83.912.642 8.19 67915 Dry Bulb 44391 4 .6 54.9 7.187 22 809 Wet Bulb 2221081 42117 52.1 5.933 809 22 Dew Point 49.8 5.897 2034931

73=81 ......

GLOBAL CLIMATOLOGY BRANCH UCAFETAC AIR WEATHER SERVICE/MAC

USAFETAC FORM 0-26-5 (OLA) INVINENTIVOUS IDITIONS OF THIS FORM ARE OMNOTED

6975 STATION	GRAFENHOH? I	STATION NAME			7 <u>3-81</u>		<sub>YE</sub>	ARS				di	IN _
										PAGE	1	2920-	114
Temp.	0 1-2 3-4 5				RE DEPRESSION					TOTAL		TOTAL	
<u> </u>		7 - 6 - 7 - 8 - 9 - 10	11 - 12	13 - 14 15 -	16 17 - 18 19 - 4		• 1	27 - 28 29 -	30 - 31		"Y DUID .	##1 Bulb .	Dew P
رة / عالم الما المطالق					-	1 1. a2.				2	4.		
/ 61		•	• • •	• 7	7 .6 .		•	•		19	19	•	
			1.		6 5					15.	15.		
7 / 77			1.4	. 9	7 .4 .	4				3.3	3.7		
5/ 75.	• - • •		64.			•= • .		-	•	21.	21.		
4/ 77		•1 1•			9					3.5	35		
			2. 2.2.		4					4.2.	42.		
/ 59	•1	1.0 .5 1.		• 1						45	40	_	
<u>-/ .67</u>		22, 225, 3e	76. 1 . 4				- •	• • •	• •	. <u>62</u> .	6.2.	9.	
47.53.	. •5. 1•7.		1 • 4 6 1•1	• .						. 97.	47 97.	7 è	
1/61		1.7 1.2 1.				• • • •		•	•	. 71.	71. 59	4 & . 75	
1 59	•7 2•6 1•7 E	3.2.2.4 1.		1.						. 97.	27.	110.	
/ 57	.1 .7 1.9	1.1 1.1 1.			- •	• •	• •	•	•	51	51	132	
. / 55	.5 1.9 1.5	1.79								55	5.5	75.	
4/ 53	.2 1.1 1.2	1.6 .6.	2 . 1		•			•	•	42	42	81	
2/ 51	.2, 1.5, 1.5	. 4							*	. 29.	_ 29.	. 53.	9
/ 49	•7 1•1 •7	• 6								26	26	67	1
	• <u>6</u> , • <u>6</u> , • <u>6</u> ,	•1							-	16_	1.6_		•
45	•9 •7 •5									17	17	34	•
4/ 43 2/ 41		•+							· <del>·</del> · · ·	2.	2.	15.	
/ 39													
/ 37						+						· •	4
. / 35						1							
/ 73										<del>-</del>	•	•	
./ 31													
1 79									•				
TAL	7 - 211 - 514 - 015	5.814.715.	910.3	6 . 6, 4 .	1.1.6.	94.	1;			+	3.28.		8.
					4					808		808	
	<del></del>	· · · · · · · · · · · · · · · · · · ·	•		<del></del>	++		·		<del></del>			
lement (X)	Z <sub>X</sub> ,	z <sub>x</sub>	Ŷ	•	No. Obs.		<del></del>	Mean No. a	f Hours wil	h Temperatu	**		
el. Hum.	3613637	52273		16.951	808	5 0 F	s 32 F	≥ 67 F	≥ 73 F	• 80 F	• 93 F		otal
y Bulb	3276984	50930		8.655	808	ļ	<b></b>	1٠.1	14.	3.7	<b>.</b>		
et Bulb	25316.1	45001		5.599	808	<b>i</b>	ļ	1.0					
ew Point	2048528	40406	5 G • C1	5.883	9 0 8	i	. 3	,					(

STATION STATION NAME

## **PSYCHROMETRIC SUMMARY**

YE ARS

HOH!

Temp.		w c	TAULET	EMPERATUR	E DEPRESSI	ON (F)					TOTAL		TOTAL	
(F)	0 1.2 3.4	5 - 6 7 - 8 9 - 1	0 11 . 12	13 - 14 - 15 - 1	6 17 18 19	- 20 21 - 2	2 23 . 24	25 - 26	27 - 28 29 -	30 + 31				)• •
					-								•	
, en 8/ 87					• 1			-	• !		. 2	11.		
6/ 85			-· ·		1.	.4 .4		· 2.	<b>♦ 1</b>	•	11- 12	12	•	
57 85 47 83				•		-	6 				. 12.	12.		
./ 31			. 1	···· ·	-	7 .			•	•	34	34	•	
			• 1		9 .6 5 1.0						. 29.	29.		
7 / 77	<del></del>				<del>3. 1.0</del> 4 1.4 1		• •	•	•	• • •	. <u></u> 45	- y.		
		, •	D • T	1.0.2.	-	• 4					. 44.	44.		
				1.1 1.		•		•	•		. <b>44.</b> 51	51	•	
4/ /3 -/ 71.		24									. 52.	ء د ع2.		
/ 59			4 2 1.6				• • •	•	•		. 32. 45	45	4.	
<u>:/ 67</u>		5. 1 . 5. 2 .									. 48.	45 48.	17.	
6/ 65		. 4 1.1 1.		. 6			•		-	•	. 46	46	39	
_4/_£3	2 4	2.2.2.5.1.			-						. 79.	79.	52.	
4Z_ <u>E</u> 2	4 .7 1.5	.7 2.1 1.			<b>4.</b>		•	•	•	-	. 11. 67	67	90	
1 59.		1.6. 2.3. 1.									74.	7.4.	111.	
. / 57		1.9 1.2			•	•		•	•	•	49	4.9	113	
5_/ 55		2.2 .5									. 34.	34.	52.	
4/ 53		1.2 .4	.d		<b></b> · · · · · · · · · · · · · · · · · ·	•		. •			. 24	24	82	
	66_											18.	67.	
<u> </u>	.6 1.1: .4				<b></b>		+· ·			- + · ·	20	20	69	:
	5_ al lal.	•										14.	4.D.	
4. / 45	•2	• •				·- •-		- •	•		2	2	24	
64/ 43											_	L	3.	
12/ 41											•			-
4_/ 39:														
3 / 37	<del>-</del>					•	•		•		•	•		
	· · · · · · · · · · · · · · · · · · ·													
3 / 33		· · · · · · · · · · · · · · · · · · ·										•	•	-
/2/ 31.											_			
2.1 27							•						•	
	7.2 5.4 8.41	2.012.614-	4.13.7	9.8.9.	1. 4.2. 3	1.2-	l. 1.5.	2	. 2:			812.	_	
											810		810	
	<del></del>	<del></del>	<del></del> +			<u> </u>			M N-		h Temperatur			
Element (X) Rel. Hum.	2 1/	ZX	X	<b>7</b> A	No. Obs.	, = (		32 F		a 73 F	= 80 F	• - 93 F	٠. ۲	•••
Dry Bulb	2630387	45631		17.920	810	<del></del>		-2 -		<del></del>				
	3659964	53902	00.0	9.500	8,10	I .	1	1	7 ( .0)	40.4	8.8			
Wet Bulb	2621437	45863		5.518	810								-	

73-81

GLC-AL CLIMATOLOGY BRANCH LS#FETAC Al: REATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

STATION STATION NAME 73-81 VEARS

PAGE 1 1512-17-C

Temp.					URE DEPRESS							TOTAL		TOTAL	
(F)	0 1 2 3 4	5 - 6 7 - 8 9	- 10 11 - 12	13 - 14 -15	- 16 17 - 18 19	9 - 20 2	1 - 22 23	- 24 25	- 26 27	· 28 29	30 + 31	D.B. W.B. D	ry Bulb 1	for Built D	e- P
4/ 93											. 1	1	1		
										<u>.l.</u>		. 1.	1.		
/ 89					• 1	• 2			. 1	• 2		6	5		
8/ 87							. 4.	. 4.	.2.	.1.		2.	9.		
6/ 95						• 2	. 1	. 7	. 4		·	12	12		
4/ 33	_				.15.	. 2	. 5.						. 11.		
/ 81			- 1	•1		1.1	1.2	• 5				37	37		
/ 79			1	1.1 1		1.5.						35.	35.		
/ 77	·		.1 .4	1.9 1	. 7 1 . 7	1.2	. 1					5.6	5.8		
5/ 75		.1	.4 1.7	1.9 1	.2 .9	• 5						. 5.4.	54.		
4/ 73		.1	.5 1.9	1.7 1	.0 .7	•1			•		•	49	49	•	
/ 71		5		1.1.1	. 2	-						. 45.	45	3	
1 59	·-···· - · · · · · · · · · · · · · · ·	? •1 •4	1.1 7.5	. a.e.a. a	•6 •2					• • •	-	43	43	2	
/ 67		2 2.1	4.1 .5		. 5.							. 67.	<u> 57.</u>	į.	
6/ 65	• <u>•</u>	5 .2 1.9	1.9 .7	• 2	. 4						•	47	47	45	
4/ 63.	.1 .1 1.2	2 1.4 1.9	2.6 .7	1.0	•							. 73.	73.	76	
. / 61	.1 .6 .6	6 .7 1.7	1.1 .7			•			-+-	_ •		46	46	79	
/ 59	.1 .5 1.	2.0 1.9	1.6 .1	. 4								61	51.	120	
/ 57	.1 .5 .6	5 1.9 1.5	•5 •1									42	42	111	
/ 55	.4 1.2 1.0		• 5									. 41.	41.	ęS.	
4/ 53	.7 .	7 .6 .6		• •							•	7.2	22	7.9	
2/ 51.	.2.1.0.1.0											_ 22.	22.	67.	
/ 49	.6 1.0			•								71	21	66	1
/ 47	• 2 • 9											- 6	6.	28	_
1 45	• 1		•									1	1	29	1
4/ 43													-	2	_
2/ 41													•		
/ 39	•														
1 37		<del></del>											•	•	
./ 35												1			
1 / 33		······································												•	
2/ 31.												<u> </u>			
1 27														•	•
lement (X)	żx'	Z X	Ţ.		No. Obs.	T				leen No.	of Hours wi	th Temperatu	ru		-
el. Hum.			1	1	1		1 0 F	2 32	F	€ 67 F	+ 73 F	• 80 F	• 93 F	T	0101
ry Bulb			Ţ		1							4.			
er Bulb		1			,	-		T	1		,		:		
ew Point		<del>†</del>									•	·	·		

ELEMAL CLIMATOLOGY BRANCH USAFETAC Alm MEATHER SERVICE/MAC **PSYCHROMETRIC SUMMARY** STATION STATION STATION NAME 73=81\_\_ JUL A PAGE ? 1500-1740 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 23 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 817 1.9 5.9 8.1 9.013.914.911.210.9 8.4 5.7 5.2 2.3 1.6 .7 .5 .1 217 510. . . 81-BEVISED FREVIOUS EDITIONS OF THIS FORM ARE DESCRETE 0-26-5 (OL A) 1 2 0 2 Element (X) Zx, ž X No. Obs. Mean No. of Hours with Temperature USAFETAC Rel. Hum. ± 67 F 1 = 73 F \* 80 F \* 93 F 26584.5 44.231 54.418.096 810 Dry Bulb 67.5 9.673 56.9 5.446 3764365 54661 810 47.6 30.3 9.3 Wet Bulb 2644072 46768 810 1.4 90 Dew Peint ain 1959169 39533 48.8 6.C61

CL.BAL CLIMATOLOGY BRANCH LEAFETAC ATE WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

STATION	SRAFENKOHR AA	STATION NAME		73-61		<del>VE</del>	LAS .				L	N TH
									PAGE	1	HOURS .	32
Temp.			T BULB TEMPERATU						TOTAL		TOTAL	
(F)	0 1 2 3 4 5	6 7-8 9-1	0 -11 - 12 13 - 14 15 -	16 17 - 18 19 - 2	0 - 21 - 22 - 23	- 24 25 - 26	27 - 28 29 -	30 ≥ 31	D.B. W.B. D	ry Bulb	Wer Bulb (	De w
(8/ <b>87</b>					• :	• 1			2	2		
61.35.						.12.				3.		
4/ 83			• 1	•	2 .4	• 2	• 1		9	Ģ		
/ 31	· · · · · · · · · · · · · · · · · · ·		<u>. 4 1.</u> .	4. 46. 4	52	-a1			19.	_ i9.		
179		•	1 .2	4 .2 .	5 .4	• 1			16	15		
7./ ?7.	··		426.1	67.	92.	•		<del>-</del>	38.	<b>_19</b> .		
6/ 75			7 1.0 1.7 1	9 .9	4				4.6	46		
44.73.		12. 1.	2. 141. 144	9. 44.					41.	41.		
. / 71		2 .5 1.	1 2.3 1.1	. 2					4.2	42		
1 59	2	2 .9 1.	5. 1 . 6 5	.1					- 41.	41.	<b>5</b> .	
6 / 67	•7	9 1.2 2.	7 .5 .5	4 .1	•	-			5.7	5.7	6	
6/ 65		7. 2.3. 1.	4. 4. 5.						48.	43.	26.	
. 4/ 63		7 3.5 2.	1 1.4 .2						101	101	5,6	
· 4/ 61.	•6. 1•6. 1	4 1.9 1.	5. • 2						58.	58.	86.	
/ 59	•9 2•0 1•6 1·	9 2 . 5	6 .2 .1						79	79	176	
. / 57	.1. 1.1 1.2 2	5 .2 .	_						48	48	143.	
5 / 55	•1 •7 2•7 2	3 .2 .	1 .1				·		49	49	84	
4/ 53	.4. 1.1. 1.1 1.		2						37.	37	65.	
2/ 51		1							33	33	100	
5 / 47		1. • 2							29.	28.	60.	1
/ 47	.4 .7						•		Q	9	43	•
41/ 45	. 4 .2								5.	5		1
-4/ 43											1.3	•
2/ 41											1	
4 / 30												
3 / 37												
'. / 35					-					· •	•	
3-/ 33.												
2/ 31					· · ·						•	
/ 29												
r TAL	3.3 8.815.015	014.314.	1 9.3 7.2 4.	9 3.2 2.	5 1.4	.6 .4	.1			809		9
	1								809.		829.	•
	*			• • • • • • • • • • • • • • • • • • • •				• •	-E.F 4			
lement (X)	IX'	2 g	X •	No. Obs.	1	<del>- · · · ·</del>	Mean No. o	Hours with	Temperatu	<del></del>	-	_
tel. Hum.	3378155	50143	62.018.287	839	10F	: 32 F	≥ 67 F	≥ 73 F	. 80 F	• 93 1	· T	010
Dry Bulb	3422886	52134	64.4 8.847	809		<del></del>	34.9	19.4	4.3	• · · ·		
Wet Bulb	2572695	45419	56.1 5.339	809		<del></del>	1.2			•		-
	2034032					7		+		<b>.</b>		-

SLEBAL CLIMATOLOGY BRANCH STAFFTAC AL- WEATHER SERVICE/MAC

USAFETAC FORM 0.26-5 (OLA) REVISED REVIOUS EDITIONS OF THIS

# **PSYCHROMETRIC SUMMARY**

1 STATION STATION NAME 73-31 YEARS PAGE 1 2100-2310

Temp.			T BULB TEMPERATU						TOTAL		TOTAL	_
(F)	0 1 2 3 4 5	5 - 6 _ 7 - 8 _ 9 - 10	11 - 12 13 - 14 -15 -	16 17 - 18 19 - 21	21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 + 31	D.B. W.B. (	Dry Bulb 1	Net Build [	ew Po
1 79		•	1						1	1		
<i>1_1 ?1</i> .	•	· <b>- 1</b> _ · -	<u> </u>	1:	L				. 3.	3.		
i/ 75		•1 •	1						?	2		
14/ 73	<u> </u>	. <u> </u>							. 12.	12.		
/ 71	• 1	•1		. 2					1.0	1 -		
/ 69.		<u>. 1 2</u>							19.	9.	2.	
6 / 67	. 1	•4 •7 1•		• 1					25	25	4	
61.65.		44.1.2. ·					· · - ·		29.	29.	₽.	4
. 47 63	•2 2•9 <b>3•3</b> .	3.1 .6 .		*					3.2	£ 2	13	
		2.2. al		· · · · · · · · · · · · · · · · · ·					. 5.6.	56.	47.	á
/ / 59		3.2.9.							108	108	76	51
5-/ 57.	1.5. 3.7. 2.5.	1.2							. 76.	76.	124.	53
5 / 55		1.4 .4 .	1						٤ 4	34	1~5	7 9
/ .53.	<u> 1.9 3.7 2.5</u>		• · · • -						. 72.	75.	103.	13
2/ 51	1. 3.3 1.2	• 7							5 1	51	c 3	F 1
도 🚣 4일.	2.1, 4.1, 2.2		1			·····		· ·	68.	. <b></b> .	₽2.	15
' / 47	.9 1.5 1.4	. 4							34	34	62	7:
4_/ 45.			· · · · · · · · · · · · · · · · · · ·		•				44.	44.	54.	98
4/ 43	1. 1.1								17	17	43	5.
.41 باتت								·		7.	11.	5.5
4 / 37	•1								1	1	6	1
3.1.37.					· · - · -			· - · - ·	1.	. 1.		12
7 / 35												
3-/ 33.			• - •								. 1.	
' / '9			<b>.</b>									
· IAL	13.033.323.119	4.2. 5.2.4.	7. 3.2.1.C.	2. 42	<u>.</u>					<u>e_8.</u>		828
									8 7 <b>8</b>		8^8	
			· - · ·	· • · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •							
			·		•							
+			·	<del></del>								
Ilement (X)	Z <sub>X</sub> ,	Z x	X Ta	No. Obs.	<del></del>		Mean No. of	House with	Temperatu			
Rel. Hum.	5299591	64369	79.714.585		1 0 F	: 32 F	≥ 67 F	€ 73 F	→ 80 F	• 93 F	· .	Hal
Dry Bulb	2657169	45977		808							_+ ''	
War Bulb			56.9 7.126	808	<del></del>		E • 0;	2.5		•		2
	2308289	42953	53.2 5.557	808	1		. <b>7</b> i					91

GLOBAL CLIMATOLOGY BRANCH UTAFETAC Al- MEATHER SERVICE/MAC

STATION	GRAFENHOHR	STATION NAME	<u> </u>		/	. ـــ . ـلـــــ			YEARS		-		MoM MoM	ļ
										•	PAGE	1	HOURS	_ 1
Temp,			WET BULB T								TOTAL		TOTAL	-
(F)	0 1 - 2 3 - 4	5 - 6 7 - 8 9	- 10 11 - 12	13 - 14 -1	5 - 16 . 17 - 18	19 - 20 - :	21 - 22 2	3 - 24 25 -	26 27 - 28	9 - 30 + 31	D.B. W.B. (	Ory Bulb	Wer Built.	D
/ 93										• ^	1	1		
							-				. 1.	1		
/ 89					• n	• 🗇		•	• 1		3	÷,		
6/ 87							1	<b>_1</b>	1 2.		22_	22.		
6/ 35					• 0	• 1	• 1	• 2 •	. 1		5.9	. 9		
<u>-/ 33.</u>					<u>.0 .1</u>		2	C.			. 34.	34.		
/ 81			• 1	• 2	.4 .3	• 3	• 3	• 1			179	1.0		
1.79.			a.2. a.D.	3	_4443	3	<u>. D.</u> .	a.C.			96.	96.		
7 / 77		• 7	.1 .3	• 5	.7 .5	• 5	• 0				174	174		
:/ 75			.36.	• 7	•7. •3	1 .	<del></del>				. 169.	169.		
4/ 72		•0 •1	.6 .9	. 7	.5 .2	• 0	-		•	•	195	195		
		. 1 . 2.	. 5. 1.2.	7.	4						. 199.	199.	٤.	
1 69	. 1	.2 .4	.9 1.3	• 3	.2 .0						2.1	2 1	1.3	
£ 1 67.		3.1.1.1	1.83.	. 4	<b>1.</b> •0.						. 263.	2±3.	46.	
6/ 65	. 1 . 4	•4 1.1	l. 5	• 2	.0 .1	•			•	•	244	244	148	
4/ 63	8 1.4	2.2.1.6	1.17.	• 3.	• 0						531.	531.	276.	
/ 51	•2 1•1 1•5	1.1 1.	.7 .3	• ^					•	•	394	394	463	
/ 59	9 3.2 1.8	1.8 1.5	.7 .2	1:							658	55 <b>8</b> .	648	
/ 57	1.0 2.2 1.5	1.3 .6	.3 .1				•				452	452	851	
5 / 55	1.5, 2.3, 1.7	1.2 .4	• 2. • ~.								463	458	658	
1/53	1.2 3.3 1.4	1.7 .4	.1 .			- •	•		•	•	470	477	624	-
./ 51	1.6 2.8 1.6	. 4 2									415	416	704	
r / 40	2.4 2.9 1.2		• C				•		. •		442	442	651	
. / 47	1.3 1.5 1.0	• 1									250	25C.	478	
4./ 45	1.4 2.6 .2	.1 .7									276	276	357	
4/ 43	.98	. • 0									. 117.	117.	267	
12/ 41	.6 .7 .7	•								• ·	30	- 5 -	- 58	
4 / 30	.4 .4 .7	. •0.										54	59	
3 / 37	•4 •2 •7										43	40	51	
/ 35	• 2. • 2.										. 23.	23.	24	
3 / 33	•1 •1	•- •									9		16	
2/ 31												. 9.	9.	
1 29	7 .0	+									<u> </u>	. 2.	ź.	
1 27:	- • •													
Element (X)	Σχ'	Z X	X	<u>',</u>	No. Ob	<b>3</b> .			Mean No	of Mours w	th Temperatu	70		_
Rel. Hum.		-	<del>-</del>				: 0 F	± 32 f	e 67 (	≥ 73 F	• 80 F	• 93 F	1	•
Dry Bulb		: 			-+			+			•			_
Wet Bulb		<u> </u>	<u>.</u>											
Dew Point					-	1		1 -	1					

USAFETA	С	OLOGY B		1							P:	SYC	HRO	MET	RIC	: sı	JMN	۱AR
STATION	LEA	FENEOHR	AAF	OL ATION NAME				73 <u>-81</u>			YEA						<b></b> °	nin Tir
															AGE	?	A.	ĻĻ,
Temp.								EPRESSIO							TAL _		TOTAL	
(F)		1 - 2 3 - 4			0 11 - 1:				26 21 - 2	2 23 - 24	25 - 26 2	7 - 28 29	30	31 D.B.	W.B. D	y Bulb	Wet Bulb	Dew P
T " T & L	14.12	5.114.2	10.7	8.6 8.	4 6 . 1	2 4.5	3.4	1.9 1	•5 • •	³. •5 	• 2	• 1 = •	• 7	54	67.	4467	6467	- 641 -
	•				-		-											•
									•									
	• •		•	•	•	. ,	•	. •	–					-		•		•
	<b>.</b>			- ·-			•	· · · •	_ <del></del>					- •	- •			•
					•	• • • • •				-	•	•	•	•	•			-
								•	• •				•		-	-		,
	****							_										
<del>-</del>		,	•		-		•	•			-	•	•		•	•		
	•			•						-	-	-	•		٠			
	•		•	٠	•		•		•	• • •	•		•	٠	٠			•
	·																	
	· ·	• • • •	•		•	•	•	•	•	• • •	•	٠	٠	•	•			•
	•				•													
	•		-	•	•				• –		•	•	•	•	•	•	,	
				• •						·					- •			
Element (X)	Z	x'	2	*	¥	· · ·	N	le. Obs.	1			Meen No.	of Hours	with Ten	peretur	•		•
Rel. Hum. Dry Bulb		<u>6663831</u>		69811				6467			32 F	+ 67 F	* 73 (		10 F	. • 93 F		Total
Wer Bulb		3537271 8913956		94377				6467	<del></del>	<del></del>	1.3.	169.3 7.1	93	. 3; . 7	5.5.		٠	_ 72 72
		5925531		18481		2 6 a l		6467	- +		5.6			<b>-</b>				72

• •

GLORAL CLIMATOLOGY BRANCH JEAFETAC ATH REATHER SERVICE/MAC

STATION	CRAFENHOHR	STATION NA	ME	. (3591	· - <del></del> - · · · · ·	YEA	ARS.				بالم	-
									PASE	1	ADDAS.	325
Temp.			WET BULB TEMPERAT						TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4	5 - 6 7 - 8	9 - 10   11 - 12   13 - 14   15	- 16 17 - 18 19 - 20	0 21 - 22 23 - 2	4 25 - 26	27 - 28 29	- 30 · 31	D.B. W.B.	Dry Bulb	Wer Bulb C	)e = 1
1 69		. 1	•1	,					2	7		
5:/ 67.		1 4.	1a1						. 7.	7.		
6/ 65	.1 1.1	.5 .4	. 4						2.3	7.7	1	
4/ 63:	.1.1.2.1.0	. 7 4.	• 1.					_	. 29.	£9.	4.	
. / 61	.2 2.5 .5	1.2 .6	• 1						4 3	<b>→</b> 3	27	
	2.3.5.2.3.2	1.8.8	. 4.						. 112.	_	56.	
/ 57	3.4 5.5 .7	.6 .1				•		•	9.6	86	\$ 3	
5_7.55	4. 6.4. 1.0				_			_	. 153.	123.	115.	
	7. 7.6 1.7	.4 .1	• • • • • • • • • • • • • • • • • • • •		-	•	•	-	133	133	149	1
2/ 51	3 . 2 . 7 . 0 7	. 1							9.5.	90.	125.	•
	3.4 7.5 .6				• • •	•	•	٠	75	95	112	1
•	1.8. 2.42								. 37.	37.	72.	•
	1.9 2.9 .1	•	• • • • • • • •				•	•	41	- 1	46	
4/ 43	•5. •5.								. ŝ.	3.	23.	
6/ 41	•5 1•3			• •			•	•	15	15	- <del>-</del>	
. · Z. 32	. 4 5.								. 7.	7.		
											1.3	
7 / 77				•	• • • -	• •		٠		-	13	
3 / 37	• 2	• • - •			· · · -		•	•	. 7.	2	5	
/ 25.	• 2	6.1 3.3	1.1 .1 .1					•		-		
/ 25.		6.1 3.3	1.1 .1 .1					• • ·		2 8 3 0	5	
/ 25.	• 2	6.1 3.3	1.1 .1 .1			• •	•	· 		2	5	
/ 25.	• 2	6.1 3.3	1.1 .1 .1					· 		2 8 3 0	5	
/ 25	• 2	6.1 3.3	1.1 .1 .1	• •				• •		2 8 3 0	5	
/ 25	• 2	6.1 3.3	1.1 .1 .1		- · · · -			• ·		2 8 3 0	5	
/ 25	• 2	6.1 3.3	1.1 .1 .1		- · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		2 8 3 0	5	
/ 25	• 2	6.1 3.3	1.1 .1 .1					• •		2 8 3 0	5	
/ 25	• 2	6.1 3.3	1.1 .1 .1	· · · · · · · · · · · · · · · · · · ·				• • • •		2 8 3 0	5	
/ 25	• 2	6.1 3.3	1.1 .1 .1					•		2 8 3 0	5	
/ 25	• 2	6.1 3.3	1.1 .1 .1					•		2 8 3 0	5	
/ 25	• 2	6.1 3.3	1.1 .1 .1	· · · · · · · · · · · · · · · · · · ·			-	•		2 8 3 0	5	
/ 25	• 2	6.1 3.3	1.1 .1 .1							2 8 3 0	5	
/ 25	• 2	6.1 3.3	1.1 .1 .1							2 8 3 0	5	
/ 25	• 2	6.1 3.3	1.1 .1 .1				-			2 8 3 0	5	
/ 25.	• 2	6.1 3.3	1.1 .1 .1							2 8 3 0	5	
/ 25.	• 2	6.1 3.3	1.1 .1 .1	No. Obs.			Maan Ne.	of Hours		2 A 3 C	5	
/ <u>75</u>	.2		<b>X</b>	<u> </u>	10,6	2 32 F	Meen Me.		932.	2 A 3 C	870.	
/ 75	.2 85J.51J.0	Σχ 7374	# °a	637	106	- 32 F			8 3 2 .	2 A 3.0	870.	8
/ 15 I TAL 2	22 2.853.513.0 2g' 6649353	2 x 7 3 7 4 4 5 1 4	X ** 99 88.917.786 20 54.4 5.565	830	10 F	, 12 F	≠ 67 F		8 3 2 .	2 A 3.0	870.	8

USAFETAC NOM 0.26-5 (OLA) BETHE PREVIOUS COTTONS OF THIS NOME AND ONLOGERE

STATION

SLIBAL CLIMATOLOSY BRANCH  JOSECTAC  ASSISTANCE SERVICE/MAC	METRIC SUMMARY
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WONTH

73=*à*1

RAFENHORR AAF DE

										PAGE	<u> </u>	HOURS .	3,55
Temp.					E DEPRESSION			·		TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4	5 6 7 8 9 1	0 11 12	13 - 14 15 - 1	6 17 - 18 19 - 2	21 - 22 23	- 24 25 - 26	27 - 28 29	30 = 31	D.B. W.B. D	ry Bulb	Wet Bulb D	ew P
£/ 65	5.	• 1								3	3		
.52 £3	. a.B. a.7.	• S		-						. 17.	17.	1.	-
/ 51	.7 1.7 .4	•1 •1								19	10	23	
	1.7. 4.5. 1.9.	1.0.				·				75	75.	23.	3
/ 57	7.9 4.5 .8	• 6								73	7.3	66	4
5:/ 55	4.6. 4.9 8.	1.2		-						42	¥6.	92.	. 7
4/ 53	5.3 2.6 .5	• 5								3.2	07	114	11
127. 51	5.7 6.7 1.4.			-						. 115.	115.	93	
5 / 4-	7.7.9 .4									127	127	147	15
-147.	4.1.5.95.		<b></b>			*				£A.	à8.	23	11
4-7 45	3.1 4.1	• 1								61	٤1	74	12
4/ 43.	1 a B . 1 a 6 . a 1 .									. 29.	49.	4 Z.	4
2/ 41	1.7 .5 .1									19	19	25	4
4_1_35	8 2.									9.	3.	12.	1
7 / 37	1. 4									11	11	11	1
-1-35	15									<u>5</u> .	5.	٥.	
3-/ 33	•1 •1									5	2	4	
<li>4 31</li>				<u>-</u>		*							
TAL 4	1.546.2 7.9	4.2 .1									F 31		8.3
					<u> </u>	·				. 631.		831.	_
·						•		*- · · · · · · ·					
										<u> </u>			
								<b>.</b> ·					
								<del> </del>	+				
			- <del> </del>									•	
			7								-	_	
		Zx	+			<del>,</del>							
		4 Y	X	- FR	No. Obs.	± 0 F	: 32 F	Meen No.	of Hours with	- 80 F	* 93 F		
	z X,		- 1					5 A 7 E	1 2 73 F				- 1
el. Hum.	7108045	76525		8.577	831			+ ***	<del></del>				101
lement (X) lel. Hum. lry Bulb	71080A5 2256781	76525 43753	51.8	5.625	831		<del> </del>	+			•— <del>-</del>	<u> </u>	9
el. Hum.	7108045	76525	51.8 50.6						ļ				

GLESAL CLIMATOLOGY BRANCH SEAFETAC AL: "EATHER SERVICE/MAC

STATION	SRAFENHOHP	STATION NAME		-	73-83	<b>L</b> .	•	- YEA	45		-		MON	1 <u>L</u>
											PAGE	1	2622	ប់ទ
Temp. (F)	0 1.2 3.4	WE 5 - 6   7 - 8   9 - 1			RE DEPRESS		22 23	24 25 26	27 - 28 29	30 • 31	TOTAL D.B. W.S.	Dry Builb	TOTAL	De 1
7 / 77		r rum tumbumrida			• 1			77.47 E7.4		***	. ,	7		
£1 75.			11.		. ••.	• •					2	•		
4/ 77			1	• 1			•		•	•		3	•	
71		4	1	• 1							. 5	5		
1 69		.1 .4 .	1 •2				•			•	7	7		
. / 67.				1.			_				. 18.	. 12		
6/ 65	1.2		2 .1	. 4							25	25	2	
41.53.	1 . 1 . 2 . 2 . 3	2 . 5 6	2. 1.								. 59.	۶ڎ		
1 51	.8 2.4 1.9	.7 .4 .	4								5.5	5.5	50	
1 59.	3.1 6.5 3.4	1.48	1								123	128	. 85.	
. / 57	3.1 3.7 2.4	•4 •2									5 <b>2</b>	e 2	114	
5 1 55.	1.6. 5.2. 2.9.	المنظم المعلم									. 107.	127	. 101.	1.
4/ 53	3.7 5.9 2.4	. 7									106	105	123	
2/ 51.	2.9. 6.4. 1.2.										8.	.a.	. 122.	1.
5 / 47	3.5 4.3 .4	-1									69	69	1~9	1
1 47	2.2.2.2										36.	36	. S.	
4 / 45	1.2 1.4										2.2	2 <b>2</b>	32	
4/ 43	. 64	* *			- 41							3	. 13.	~ .
27 41	•4 •2										5	5		
<u>-                                    </u>	4										4.	. 4,	. 5.	-
3 / 37													1	
			·						•- •					
TOTAL	25.647.018.2	8.2 4.7 1.	7 .7	• 7	•1	• 1						2 J I		B
											. 331.		. a31.	-
									-	•				
		- •							· · · · · · · · · · · · · · · · · · ·		•		•	
• • • • • • • • • • • • • • • • • • • •														
			<del></del> ;		<del></del>						·			
Element (X)	24,	ZX	X	- *A	No. Obs.						th Temperer			
Rei. Hum.	63 9548	71656		12.551	8 3		0 F	: 32 F	≥ 67 F	≥ 73 F	• 80 F	93 !	F 1	otai
Dry Bulb	2648366	46650		5.968	8 3				4 .1		! <u></u> -			
Wet Bulb	2414599	44619		4.767	8 3		+				·			
Dew Point	2248296	43734	51.3	4.878	8 3 1	1 (	- 1	i						

SLOBAL CLIMATOLOGY BRANCH JEASETAC Al- REATHER SERVICE/MAC

USAFETAC FORM G.26-5 (OL.A). REVISED RELYCOUS EDITIONS OF THIS YORM AND DESCRIPT

#### **PSYCHROMETRIC SUMMARY**

STATION STATION HAME TIME TIME TO STATION HAME TO STATION HAME TO STATION HAME PAGE 1 GGG

Temp.		we	T BULB T	EMPERATUR	E DEPRESSION	F)				TOTAL		TOTAL	
(F)	0 1-2 3-4 5	-6 7-8 9-1	0 11 - 12	13 - 14 15 - 10	6 17 - 18 19 - 20	21 - 22 23	- 24   25 - 26   2	27 - 28 29 -	30 - 31	D.B. W.B. D	ry Bulb 1	ter Bulb C	Dew Poin
8/ 97					• 1	• 1				2	2		
6/ 25										2.	. 2.		
4/ 83				• :						3	3		
				6. le!	C 4.	4.				19.	. 19.		
179				•6 •						18	18		
1_/_11.					5 4145	• •					. 29.		
6/ 75			5 1.1	•4						24	24		
_4/_13.			6 2.0		2 <b> 1.</b>			_ · •- · ·			44.	•	
/ 71			8 1.6	•5 •	5					37	37		
		<u> </u>		- · - · - ·		•		- •			52.	1.	
6 / 67	• 2	.5 3.4 2.		•	-					5.8	58	1.8	
_6/_65.	1111			4		• •-			-	53.	5.3.	3â.	
4/ 63	1.1 3.4	3.4 3.6 1.	6 .5							112	112	65	7
	1.3 1.6 1.6 2	2 <u> </u>	4				• • • • • • • • • • • • • • • • • • • •	• • •	- •	75.	75.	129.	3.8
/ 59			2							109	109	113	
	1.4.1.6.2.2.1	<u>م لم ما</u>				•	·-·· · · ·	•	• • •	_ <b>_0</b>	.04	136. 91	9.9 9.7
5 / 55 -4/ 53.	•5 2•9 1•7 •1 2•4 2•5	.4 .2 .51.								4.8 4.7.	49	9 Å.	1.4
./ 1	1.1 2.4 2.5 1.1 2.2 .1					•			•	2.8	28	82	101
5 / 49.	101 202 01									12	13.	43.	115
- / 47	.1			• • • • •				•	- · - ·	1	. 1	16	83
4_/ 45.	••									•	•		5.5
-4/ 43						• • • •	•			•	•	-	22
.2/ 41.												_	.18
4/39											-	-	E
3.1.37.													. 1
r. Tau	.415.616.11	5.315.612.	3 8.1	3.6 3.	7 .7 1.8	.6	• 1				931		831
					- 4					_831.		831.	
						·							
		·····											
·									1				
Element (X)	2x'	Z x	<del>-</del>		No. Obs.			Mean No. of	Hours with	Temperatu			
Rel. Hum.	4212132	57350		17.501	8 3 1	2 0 F	: 32 F	€ 67 F		→ 80 F	• 93 F		****
		53308		7.858	831		+		15.8		•	•	 9.
Dry Bulb													
Dry Bulb Wet Bulb	3470918 2769447	47817		4.655	831		1	2.1			•		93

SLIBAL CLIMATOLOGY BRANCH UIAFETAC AI: "EATHER SERVICE/MAC

STATION	GRAFENHOHR AA	STATION NAME			7 <u>3-81</u>		<del>YE</del>	ARS .			-		ĮĮ.
										PASE	1	1277 HOURS	1 4
Temp.					E DEPRESSION (					TOTAL		TOTAL	_
(F)	0 1-2 3-4 5-	6 7 - 8 9 - 1	0 11 - 12 1	3 - 14   15 - 1	6 . 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29 -	30: * 31	.s. w.s. c	bry Bulb	Wet Bulb	De w
-/ 93								• 1		1	1		
91.	<del></del>			. +		·					.1.		
/ 89					. 2	• 2	•1 •1. •1.	• 2		.7.	7 .		
t/ 85		· ·			44	• 2	.4 .5			12	12	•	
5/ <u>93</u>					1a2. 1a0		•			. 22.	22.		
/ 81				.1 1.		4		- •		31	31		
79		_	41.			• .					_ 2ā.		
7 / 77			2 1.4						_ •	51	51	•	
6/ 75			1. 1.4.	1.3.2.	1 4 2					. 54.	54.		
4/ 73		2 .2 1.		1.0 .						5.3	5.3	·	
		1 6 1	3, 1.9		2. •1.					42.	4 A.	3.	
/ 69	•	1 1.1 1.	1 2.1	•2 •						39	39	5	
<u>':/ 67.</u>	<b>.</b>	5, 3.1, 3.		2			- *-			6.5.	. 55.	13.	
6/ 65	1.0 1.	2 2.4 1.		•2 •	2					61	61	64	
4/ 63	<u>•1, 1•1, 1•4, 3•</u>	0 2.3 3.		_•1						<u> 154</u> -	. 124.	87.	
~/ 6l	.5 .5 1.1 1.		7 •4							57	57	129	
/ 59	1.4 1.9 1.3 1.	<u>4 3.1 .</u>	<u>6</u>						-	<u>32.</u> 39	<u>82.</u> 39	142. 103	
5-7-57	.2 1.6 1.1 1.		-							28	39 28.	95.	1
4/ 53	1.1, 1.7 .4 2.2 1.7	<u> </u>			· · · · · · · · · · · · · · · · · · ·				- +	29	≟₽. 29	76.	1
	5. 1.6.									17.	17.	-	
5 / 49	<u>* 2</u> . * <del>* 2</del>									1	1	31	•
47												È.	
4:/ 45											•		
64/ 43													
12/ 41													
4 / 39					· · · · · · · · · · · · · · · · · · ·					- · - · - · ·	· •		
31/ 37													
3 / 33			700									•	-
TTAL	1.4 9.9 8.710	315.814.	F12.2	5.9: 7.	7. 4.1 3.0	2.1	.8 1.1	. 4		829.	929	930	5
-+			<del></del>		+				<del>-</del>	<u> </u>		829.	
Element (X)	Z g'	ZX	X		No. Obs.			Mean No. o	f Hours with	Temperatu	10		_
Rel. Hum.	3270204	49644	59.91	8.949	829	10F	± 32 F	≠ 67 F	+ 73 F	. 80 F	• 93 9	· _ T	010
Dry Bulb	3A7U875	56163	67.7	8.925	829			46 .1	30.7	17.7	•	1.	
Wet Bulb	2849633	48455	58.4	4.590	829			2.4					
Dew Point	2244538	42926	51.8	5 . 1 38	829		1						

SAFETAC	IMATOLOGY BR	IAC							P	SYCH	IROM	ETRIC	c su	JMN	IARY
ERT'	GRAFENHOHR	STATION NAME			73-	B1			YEA	RS				3	ñř —
												PAGE	1	1500 1008s	- 1.7 <u>05</u>
Temp.			T BULB TEM									TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4	5 - 6 7 - 8 9 - 1	0 11 - 12 13	14   15 - 1	6 17 - 18	19 - 20	21 - 22 2	3 - 24 - 2	5 - 26	27 - 28 <sub>i</sub> 29	30 + 31	D.B. W.B. D	ry Bulb	Wet Bulb	Dew Point
. / 93								. 1		• 1		2	?		
91	····							_ 2.	-2	<del></del>			5.		-
/ 89 8/ 87					• 1	_	_	• 1	• 1		• 2	5	5		
-6/ RS			·			2-	-1.			-4-					
16/ 85 14/ 83						1.0		• 5	• 4			17	17		
/ 81				.7.1.			. ده.	<del></del>				13. 67	43.		
			• 1										- 22		
7 / 77			2 1.4 3						. 1			<del> 22.</del> 69	69		
£/ 75		•		8.1.	31.						·	• .	. 44.		
14/ 73				.2	4 .1							5.0	50		• -
			2 1.9 1									. 43.	43.	1.	
1 69	. 4	.5 1.9 1.		•6 •							•••	50	5.0	5	
£_/ 67_		.5. 1.1. 2.			-				·			5.2.	52.		
6/ 65	.1 .4	.7 2.3 1.		• 5		-			-		-	5.3	5.3	51	2
4/ 63	1.4. 2.2	1.8. 2.8. 3.	0.1.4	<b>.</b>								_			
/ 61		1.1 1.6 1.										45	45	128	15
	2.2.1.78.	2.3.2.4.	7									84.	<u>. 54</u> .	143.	
· / 57		•7 •1										43	43	96	88
	_ <u> </u>	- <b>a.5.</b>					· <del>-</del> -					31	31.	94.	9.0
-/ 53	.2 1.3 .2											15	15	36	108
	1.2 .8			+								15	.15.		
4 / 45														16	97
													· · · - •		<u>5.7</u>
4:/ 45															76
<u>-4/ 43.</u> -2/ 41	• • • •				<b></b>								- •		28.
-2/ 41 4_/ 37.															25
3./ 37														•	
<u></u>															1
7 / 20		···-			<del></del>										
2-1 27:															1
	4.7 9.7 7.8	8.512.313.	512.510	.6 6.	4 5.7	3.1	1.6	1.7	1.1	• 5	•2 •1	831.	831	831	831
Element (X)	Z <sub>X</sub> ,	Zx	X	-	No. Ob	6.				Meen No.	of Hours with		•	- 271	· · · · ·
Rel. Hum.	3189445	<del></del>	58.719		B	31	10F	: 3	12 F	≥ 67 F	• 73 F	- 80 F	• 93 F		Total
Dry Bulb	3983663	57027	68.6 9			31		<u> </u>		49.2	33.0.	13.7		2.	93
Wet Bulb	2895074	48902	58.8 4			31				4.5					93
Dow Paint	2256888	43080	51 . 8. 5			31			- 3						

SECHAL CLIMATOLOGY BRANCH USBFETAC AIR MEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

AUL ....

										PAGE	1	18CC-	3.7
Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4	5 6 7 8 9 1	0 11 - 12 1	3 - 14   15 - 1	6 17 - 18 19 - 2	20 21 - 22	23 - 24 25 -	26 27 - 28 29	30 + 31	D.8. W.S.	Dry Bulb	Wer Bulb !	Dew I
1 41					,		• 1			1	1	•	
/ 89						1.	1		.2.	. 4.	4.		
-6/ 87					•	1		1		2	2	•	
5/ 85						1: .4	_	1 .1		7	7		
·/ E3						4 .4	.1			_ R	6	•	
. / 81				4			1			. 24.	.24.		
/ 79			1	.5 .		4 .5	• 1		•	20	20	-	
7 / 77				1.6 1.		41.				. 46.	ъ. 46.		
L/ 75		.1 1		1.2			- 4			4.2	42	•	
4/ 73			3 1.3	. 4.		-				. 36.	36.		
1 71		. 1 . 7 1.	7 2.1	.8 .		•		· ·	•	49	49	-	
/ 69	. 1	.5 2.1 1	8 1.2	2.	-					. 52.	12.	_	
- / 67		1. 2. 2. 3. 3.								. 74. 58	68	19	
6/ 65	2 2 6	9 1 0	0 1 1							. 48.	48.	42	
4/ 63	•2 1•7 2•3	2.1 4. 1.	.2. <u></u> 4 4						···- •	100	130	95	
./ 61			-									-	
/ 59		1.7. 2.4 . 3.9 1.4 .								•	72. 95	121.	
/ 57			-							95		122	
5 / 55	•7. 1•1. 1•8.		<b></b>							•	43.	123.	
4/ 53	.6 2.8 2.1	•6 •1								51	51	95	
-4/ 53 -7/ 51	.8 2.2 1.1 1. 1.2 .2	<u>•                                    </u>						•		- 3¢.	36.	9 8	
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FAL	6.313.411.81	2.715.213.	411.0	5 • 1 3 •	9: 2 • 3: 1 •	y 1.8	•7 •	2 • 1	• 2		ė 5 <b>ė</b>		9
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Element (X)	Ž <sub>2</sub> ?	2 1	¥	<u> </u>	No. Obs.	<del> </del>		Mean No.	of Hours wil	h Temperati			
Rel. Hum.	3815114	53962		9.116	929	± 0 F	: 32 F		- 73 F	- 80 F		. т	etal
Dry Bulb	365 341	54565		8.431	829	+		47.3	<del>*</del>	<del></del>	<del>-</del>	·•	
Wer Bulb	26 79 134	48117		4.548	829	+		2.4	+	1 2 0 0			
Dew Point	2297679	43425		5.267	829	<del></del>	<del>-  </del>		+	<del></del>			
	2641014	43425	2604	3020/1	929				4				

STATION STATION NAME 73-31

SUIPAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** UNAFETAC A! MEATHER SERVICE/MAC STATION STATION NAME 73-81 الله PAGE 1 21-0-23-0 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14-15-16 17-18 19-20-21-22-23-24-25-26-27-28-29-30 = 31 D.B.-W.B. Dry Bulb Wet Bulb Dew Port -/ <del>-</del>3 7\_1 11... **₽.2**. t/ 75 • 2 • 1 5 5 4/ 73 ----71 •1 •1 •4 •7 •1 •1 •6 •6 •2 •1 •4 •1 14 14 1.69. . 1.7 17. 31 31 4/ 63 .4 2-6 2.7 3.0 1.6 .4 79 21 6 / 51 . . 5 2.4 3.9 2.1 .6 .4 .1 .1 .1 \_ 76. -76-.......... / 59 2.9 6.9 5.1 1.6 .7 .2 144 144 94 85 1 51 2 3 4 3 2 3 6 2 . \_ 7.8. 78. 77 151. 5 / 55 2.7 6.0 2.2 .5 94 120 94 115 4/ 53, 209 501 101 04 78. 73... 117 3/ 51 2.3 6.3 1.1 .2 28 8.2 113 5 / 49 1.3 2.9 .8 .1 43.43. 76. 112 4: / 47 •4 1•9 •1 •1 21 21 41 7.3 4 / 45, 4 1.2 11. 13. .4/ 43 •1 •1 11 24 14 \_ 1. \_ b / 39 4 3.7.37. 31 / 33 1 31. 929 TAL 13.238.619.911.1 6.0 3.9 1.6 .6 1.1 .5 .2 828 .\_\_\_\_\_\_ 828. 828. (OL A) 0-26-5 Z X Element (X) Z g. Ÿ No. Obs. Mean No. of Hours with Temperature Ral, Hum. 67988 5758788 82.114.568 828 Ory Bulb 2839941 48221 58.2 6.186 54.9 4.500 828 Wet Bulb 2510571 45441 828 9.3 Dow Point 52.3 4.943

828

GLOBAL CLIMATOLOGY BRANCH JS4FETAC AI: #EATHER SERVICE/MAC 1 COT GRAFENHOUR AAF DL 73-81 YEARS JUL MOSTIF

0 1.2	3-4 5-6 7		T BULB T						•? •0	5 - 26 2 	• • • • • • • • • • • • • • • • • • • •	30 + 31	TOTAL D.B. W.B. [		TOTAL Wet Bulb I	Dew
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SAFETAC Al- EATH	ER SERVICE/MA	С				r	3 I CH	KUN	LETRIC	. 30	14/14/
STATION	LRAFEN JOHR A	AF DL STATION NAME		73-61		YE	LAS.				걕뱎
•									PASE	?	HOURS
Temp.		WE	T BULB TEMPERATU	RE DEPRESSIO	N (F)		. ,.		TOTAL		TOTAL
			0 11 - 12 13 - 14 15 -			- 24 25 - 26	27 - 28 29 -	30 • 31	D.B. W.B. D.	y Bulb .	Wer Buib D
T 14L 1	628.f12.6 9	•5 9•1 7•	6 5.8 3.4 2	8 1.7 1.	3 - 3,	• 4 • 3	• 1	•1 •	. <b>664</b> 2.	5647	564Û.
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Element (X)	Σχ'	Z X	¥ •a	No. Obs.	<del></del>		Meen No	f Hours with	h Temperature		
Ref. Hum.	40311969	499633	75.220.228	6640	207	: 32 F	≥ 67 F	• 73 F	- 80 F	• 93 F	Te
Dry Bulb	25199387	404107	60.9 9.551	664C	T	1	181.6	132.5	35.0		3.
Wet Bulb	20705060	368942	55.6 5.561	6640							

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GLOBAL CLIMATOLOGY BRANCH USAFETAC ATT REATHER SERVICE/MAC

USAFETAC FORM 0-26-5 (OL A) REVISE MEVICUS

STATION STATION NAME

## **PSYCHROMETRIC SUMMARY**

YE ARS

- AUG

									DACE			
									PAGE	1	HOURS IL	320
Temp.		w	ET BULB TEMPERATU	RE DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4	5 - 6 7 - 8 9 -	10 -11 - 12 13 - 14 (15 -	16 17 - 18 19 - 2	20 21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 + 31	D.B. W.B. D	ry Bulb	Wer Bulb D	e P
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. / 69.		· .							. î.	1		
/ 67	•1 •1	<del>-</del>	1			• •	•	•	٠ - ٠	7	` `	-
6/ 65	1 2 9								15	ıā.	2.	
4/ 63	•4 2•3 •5	•5 •2	<del></del>				•	•	<del>1</del>	30	2. 8	
./_01.	1.7. 2.5: 1.2	. 2 . 1							•		-	
/ 59	3.6 5.4 2.9	.6 .4			• - · • -			•	. 48.	48.	41.	4
/ 57									100	100	60	6
5 / 55		. 4.7	• • • •				•	•	. 123.	1.13.	93	. <i>t</i>
	4.3 5.4 1.9	• 8							104	104	176	9
4/ 53	<u> </u>				• .			•	. 110.	130.	116.	12
2/ 51	2.5 7.0 .4								F 3	3 3	114	ć
1 43.	1.7.5.7.1.8								. 77.	77.	9â.	11
/ 47	1.2 2.2 1.3								39	39	5€	7
	1.4.3.94		• • •						. 43.	48.	45.	
4/ 43	•5 1•8 •1								2.7	25	47	3
2/ 41.	. 5, 1.7, .1	+	· · · · · · · · · · · · · · · · · · ·						. 12.	19.	13.	
1 34	•5 •6								9	•	15	i
/ 37.						•			. 6.	_5.	á.	. 1
// 35	•? •2								4	4	4	
/ 13									1	1.	2.	
./ 31	• 1								1	1	2	
1.33.												
T/L	2 653 - 315 - 1	3.1 .8		-						= 37	•	9.3
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lement (X)	2 1 2 1	2 4	X ***	No. Obs.			Mean No. e	f Hours wil	h Temperatur	•	·	
	2 <sub>H</sub> ,	2 x 752 38	X * 89.9 8.732	No. Obs.	2 O F	± 32 F	Mean No. e		h Temperatur	• 93 F	Ťo	*gi
lement (X) el. Hum. ry Bulb			89.9 8.732		±0F		≥ 67 F				To	
el. Hum.	6226886	75238		637	:07	± 32 F • 1 • ?	<del>-</del>				Te	*e! - 9

at to success the success of the	
24.07.44.0	4 101 F
2	1
USAFETAC	

## **PSYCHROMETRIC SUMMARY**

PAGE 1

2322-4500

AI: REATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

STATION STATION NAME 73-61 YEARS MONTH

WET BULB TEMPERATURE DEPRESSION (F) 0 1 . 2 | 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 . 31 3 ٠, 12 / 61 1. 1.7 7.3.3.9.1.1. 7.1 71. 44. 3.3 4.2 . 7 • 5 73 55 54 5.7.4.8 3.3. 31. 78 •2. 5.3 4.9 1.6 • 1 53 ç **9** 97 172 2/ 51 3.3 5.5 .7 .1 / 4° 5.7 7.3 .2 .1 79. 91. i1 67 106 93 110 1 47 3.9 4.8 .2 25. 75. 32. 75 75 4 / 45 3.5 5.5 75 54. 43 4/ 43, 1.4. 2.7. 32 27 41 1.7 3.5 45 45 7 3 47 35 23 4.7.22..1.3. ..7. 17. 17. 31. 3 / 37 15 19 1.4 . 4 15 .25. \_\_1. ٤. 3 / 33 • 2 • 1 3 9 1 :-LIAL . 41.551.4, 5.9, 1.3... 837 837 837 Element (X) Rel. Hum 7265630 77748 92.7 7.23 837 Dry Bulb 2213979 42721 51.0 6.328 837 93 2122733 41827 50.0 6.238 837 33 2047324 41344 49.0 6.438

GLOBAL CLIMATOLOGY BRANCH U\_AFETAC Al- \*EATHER SERVICE/MAC

STATION STATION NAME

## **PSYCHROMETRIC SUMMARY**

ير الله

Temp.			ET BULB TEMPERATU	RE DEPRESSION	(F)				TOTAL		TOTAL
(F) —	0 1 . 2 3 . 4		10 11 - 12 13 - 14 15 -			4 25 - 26 2	7 - 28 29 -	30 ≥ 31		vy Bulb	
71				·····	-		77.				
_/ 69	-1 -1	. 1 . 2								خ	,
5 / 67	.1 .4	•2 •5			• •		•		. <u> </u>	10	1
6/ 65	.24 .6		1						. 14.	14	
4/ 63	1.1 3.1 1.6		1 .1			•	•	•	. <u></u> .	64	71
1/ 61	1. 2.2 1.1		1						. 43.	43.	5.2
/ 59	2.5 6.6 3.2		L4	•	•	-	•	•	115	115	49
. / 57	7.6 3.3 1.B	6. •2.							. 22.	àD.	111
5 / 55	4.3 6.8 3.1				•		•	•	125	125	92
4/ 53	3.2 4.3 2.2								. 23.	03.	110
2/ 51	3.2 4.4 1.4	• <b></b>		• • • • • •		+	•	•	. 22.	77	1/0
5 / 49	7.2 4.5 1.2	• •							. 71.	71.	39
: / 47	1.9 2.5 .1			• •			•	•		7 A. 39	5 <b>7</b>
4 / 45	2.7. 3.9. 2								. 52.	52.	46
4/ 43	•7 1•1 •1				•		•	•	16	16	4.0
2/ 41	8 1 7 1								22.	22.	19
4 / 3 4	•4 •6	<u> </u>		•	•		•		8	<u> 22</u> .	10
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2/ 31	• 2		•		•		•	•	· · · · · ·	2	2
		5.0 2.4	41							336.	-
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Element (X)	Z x 2		χ σ.	No. Obs.			Meen Ne. o	f Hours wit	h Temperatur		
Element (X) Rel. Hum.	z <sub>x</sub> ,	<del>*</del>		No. Obs.	5 0 F	: 32 F	Mean No. o	f Hours wit	h Temperatur	- · 93 F	<del></del>
		74274			5 0 F			≠ 73 F		- · 93 F	
Rel. Hum.	6690574	74274 45489	88.8 9.894	836	50F	5 32 F	≥ 67 F	≠ 73 F		• 93 F	

GL(MAL CLIMATOLOGY BRANCH USAFETAC AI: \*EATHER SERVICE/MAC

STATION STATION NAME

## **PSYCHROMETRIC SUMMARY**

- AUG -

SIMILON		STATION NAME				15.4					MON	
									PAGE	1	HOURS I	1
Temp.		WI	T BULB TEMPERATUR	RE DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0 1 . 2 3 . 4	5-6 7-8 9-1	0 11 - 12 13 - 14 15 -	16 17 - 18 19 - 2	0 21 - 22 23 -	24 25 - 26	27 - 28 29 -	30 - 31	D.B. W.B.	Pry Bulb	Wet Bulb 1	De w
4/ 33			. 1						,			
			4	42	1					6.		
/ 79		.1 .2 .	2 • 2 • 5	• 1				•	12	12		
7 / 77	<del></del>	4	7. 1.C	5					29.	-		
E/ 75		.5 .4	9 .8 .5 .	1					2.6	26		
74/ 73		1.0 .4 1.	8 1.1 1.C .	2	**** / * -				45		1.	
77 / 71	•1	.6 1.6 1.	7 2.0 1.0						5 8	5.8	7	
		1.4. 1.3. 2.	5. 1.61.		• · · · · · · · · · · · · · · · · · · ·				. 64.		9.	
4 / 67	1.2	1.8 2.9 2.	3 1.1 .2						79	79	24	
6/ 65.	-6. 2.4.	1.4. 2.6. 1.	3 .6 .2						7.7.	77.	45.	
4/ 63	•4 1.9 3.2								117	117	56	
/_61.	4. 1.9. 2.4.	1.98.1.	8					- •	. 79.	79.	113.	
/ 59	1.1 3.7 2.9		4 .5						102	103	139	
	6. 1-6. 1-4.		2	·- ·- · —					52.	. 52.	132.	1
5 / 55	•5 1.1 1.2								33	33	94	
4/ 53.	8. 1.1. 1.2.								25.	. 25.	67.	
12/ 51	•7 •5 •6								17	17	6 <b>6</b>	
	<u></u>		·		•				12-	12.	28.	
b / 47	- 1		·						1	1	23	
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44/ 43												
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3 / 37					·		· · · · • • • • • • • • • • • • • • • •		· -·- ·			
	3.313.017.61			- • .	• •					837		9
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Element (X)	z <sub>X</sub> ,	ZX	X A	No. Obs.			Meen No. e	Hours with	Tamperetu	<u></u>		
Rei. Hum.	4231594	58:15.2	69-415-494	836	10 P	: 32 F	+ 67 F	≥ 73 F	- 80 F	• 93 F	7	etel
Dry Bulb	3543476		64.7 6.869	837			35.6	13.2	1.1	-		
Wet Builb	2867655	48785	58.4 4.990	836								
Dew Paint	2448681		53.8 5.818	836			-8					

GLORAL CLIMATOLOGY BRANCH USAFETAC A: MEATHER SERVICE/MAC

STATION SPAFENHOHR AAF DL STATION NAME 73-81

Temp.		wi	T BULB TEMPERATU	RE DEPPESSION	(F)				TOTAL		TOTAL	
(F)	0 1-2 3-4		10 11 - 12 13 - 14 15 -			24 25 - 26	27 - 28 29 -	30 31		ry Bulb		De w
/ 89		· · · · · · · · · · · · · · · · · · ·	•1							,		
5/ 97				2					ž	1		
6/ 25			1		****		•	·•	1		•	
-/ 83				271	1				_	21.		
/ 6 1			1.2 1.2 1.							53	•	
./ 79		•	6. a7.1a1.1a							34.		
7 / 77		.1 .1 1.							76	76	•	
.47 75.		1.25.	9. 1.4. 1.9. 1.	6. 46. 45					_	71.	3.	
41 73	. 4	.7 .4 1.	7 2.2 2.0 .	5 .2			•		67	67	4	
			6. 3.7. 1.8. 1.						. 83.	63.		
1 69	• 1			2			•	. •	69	69	34	
	1 6.	.a6 3al la	9. 46. 46.	2					65.	۵5.	4 Z.	
6/ 65	•5 •5	1.6 2.8 1.		2	• •			•	74	74	52	
4/ 63.	6 8.	1.3 1.2 1.	7. 1.11.						6.3.	63.	103.	
- / 61	.6 .6	1.1 .8 .	8 .1			• •	•	•	34	34	135	
. / 59.	5 2 . 5 1 . 4	1.2 .6 .	1					_	5.3.	53.	143.	
/ 57	.1 .7 .6	1.3 .1 .	7				•	-•	30	38	103	
5 / 55	.1.1.11.	• 5. • 1.							16.	16	77.	
4/ 53	.4 1.8 .1	• 6					•		17	17	5.5	
<u> </u>	•1, •2, .	• 1.		<del></del>			•		4	4_	44	
5 / 40	• 1								1	1	12	
/ 47.				·	+						. 12.	_
4./ 45				1								
4/ 43	•		·	<del></del>			<del>_</del>					
2/ 41												
		- 4							·			
3 / 37												
I IAL	1.2. 7.4. 5.3.	12 • <u>31</u> 3 <u>• 21</u> 5 •	815.612.8 9.	4, 4.8; 1.5	5					836.		8
									836		836	
				<del></del>	• • •						•	
					•						•	
•				+ +	++							
Element (X)	24'	21	¥ ••	No. Obs.	<del> </del>		Mara Ma - 4	M	Temperatur			
Rel. Hum.	3:31773	48433	57.916.446		: 0 F	1 32 F	# 67 F	+ 73 F	• 80 F	• • 93 F		0101
Dry Bulb	4120206	58332	69.8 7.745	836	2 U P	2 32 F					<del></del> -	
Wet Sulb	3038040	50206	60.1 5.239	836		<del>-</del>	60.5	36.4	17.6		-+	
Dew Point	2405783	44507	53.2 6.595	836		<del></del>	11.1	9	<del>`</del>			
		7730/	334Z: 043731	ו מנפ	i	1	2 . 3					

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIT FEATHER SERVICE/MAC

STATION GRAFENLOHR AAF DL STATION NAME

#### **PSYCHROMETRIC SUMMARY**

YEARS

AUG.

PAGE 1 1500-1700 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - + 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point / 89 8/ 87. 67 85 13 1.3 41 231 .1. .6. 1.0. .8. . 33. 33 • 1 •7 1•0 1•6 2•2 1•1 •1 56 1 7.9 -1 4. 2 4. 1.1.1.2, .5. .1 .2 1.2 2.2 2.3 1.9 2.3 1.0 .5 .1 .44 .6 .8 1.3 1.0 1.6 .7 .6 .4 7-1 77 98 98 'EL 75. 61. 61. 4/ 73 .1 1.1 .4 1.9 1.3 2.3 1.0 .6 4 .6 .8 .7 2. 1.7 .5 .1 54. -54-.7 1.7 2.2 1.9 .6 5.9 59 1.2 1.1 2.5 1.8 1.1 1.2 ./.67 \_7.2. 12. 57. 6/ 65 1.4 .7 1.8 2.3 .7 .8 .1 66 66 22 41 63. 1.2.1.2. .7.1.2.1.7.1.2...1. 61. 61. 115. ./ 61 1.4 .6 .8 .7 .6 .1 .7 1.8 1.4 1.2 .6 .1 .1 1.4 .6 113 36 36 43 \_\_\_\_/ 59 50. 140. 92 / 57 .2 1.4 .6 .6 .4 .1 28 91 69 5\_/ 55. .95. 2.2. 84 4/ 53 •5 •5 • 2 10 10 56 91 2/\_51. \_\_\_\_\_\_1\_\_\_\_1 74 . . .. 5 / 4" 16 87 1.7.47 4. / 45 66 23 2/ 41 37 4 / 34 3 / 37 2/ 31 Element (X) No. Obs. Mean No. of Hours with Temperature Ī Rel. Hum. # 67 F # 73 F # 80 F 57-018-662 3001432 47578 835 Dry Bulb 62.0 41.4 14. 4211634 58902 70.5 8.239 835 93 Wet Bulb 3057764 50342 63.3 5.212 8.35 11.2 93 Dew Point 2394693 44335

C ADM 0-26-5 (OLA) BETTED PREVIOUS FORTONS OF THIS FORM ARE DELO

GLCPAL CLIMATOLOGY BRANCH USAFETAC ATE REATHER SERVICE/MAC

STATION SRAFENMONR AAF OL STATION NAME

#### **PSYCHROMETRIC SUMMARY**

Aus

Temp.		WE	T BULB TEMPERAT	URE DEPRESS	ION (F)				TOTAL	_	TOTAL	
(F)	0 1 2 3 4		0 11 - 12 13 - 14 15			3 - 24 25 - 2	6 27 - 28 29 -	30 + 31			Per Burt	De = P
/ 89				• 1				•		1		
67 85			1	.4.	.1.				. <b>.</b>	·		
-/ 83	!		• 2	•1	•2 •1				6	ŧ		
1 51			127.	.42.	.2				. 17.	17.		
/ 79			2 .1 .4	.7 .6	• 2	-		•	2.1	21		
7./ 77	•	.21 .	6, 1.8, 1.0, 1	al 1a0.	al. al.				. så.	úĒ.		
C/ 75		.4 .4 1.	1 1.3 .4 1	.0 .1	• 1				36	3.5	1	
1.44.73		.54.1.	2. 1.17.		44.				. 42.	42	4.	
7 / 71	. 4	1.1 1.7 1.	6 1.7 .5	.6 .4					5.9	: 0	5	
. / 69	16	1.2 1.2 1.	2 1 5.	.1.				_	49.	49.	12	
6.1 67	1.1	1.1 2.5 2.	D .5 .4	• 1	-	•	•	•	65	6.5	76	
6/ 65	8, 1.2	1.7 1.8 2.	3 7 7.						77.	77.	57	
4/ 53	.5 2.6 3.8	2.9 1.6 1.	6 1.2 .2			• •		•	120	120	9.5	
-/ 61	4. 1.8. 2.2	1 • 3: • 5: •	55						. 5 à.	58.	129	4
/ 59	1.2 3.7 2.2	2.2 1.4 .	6 • 2	• •		-		-	96	76	125	1
/ 57	.4 2.4 1.4	. 4 1	1						43.	<b>₩</b> D	112	•
51/ 55	.7 1.8 1.7	.4 .1 .	1			•	-	•	34	34	94	5
4/ 53	1.1.1.27	•1 •1							. 27.	27.	8 9	9
2/ 51	.2 .8 .5			•	*	•	•	-	13	13	47	7
5 / 49	•4 1.2						_	4.	. 13.	13.	29.	.8
. / 47	• 6								5	ς	16	5
4. / 45		<b>+ -</b>							. 2.	2.	5.	
4/43											2	1
12/ 41		· · · · · · · · · · · · · · · · · · ·	- •				•					2
4 / 39												
3 / 37						•						
1/ 35												
TIAL	4 - 5 17 - 314 - 91	3.311.513.	310.3 5.4 4	9 2 8 1	.4 .2			<b></b>		2.36.		9.3
Į.									836		836	
<b></b> .			<del></del>				•	+	·			
l												
<b></b>	<del></del>	·	<del></del>	<del></del>								
				1 .				:				
Element (X)	Z <sub>X</sub> ,	ZX	Ÿ Fa	No. Obs.	1		Mean No. e	f Hours wid	Temperatu			
Rel. Hum.	4130627	56441	67.518.640	836	1 0 F	= 32 F	± 67 F	■ 73 F	- 80 F	• 93 F	T .	erel
Dry Buth	3669396	54993	65.8 7.914			1	39.0	19.8	4.4	-	<del></del> -	9
Wet Bulb	2899968	49 46	58.7 5.198	8 3 6	5		5.7	• 3			1	9
Dew Paint	2433323	44789	53.6 6.356			<del></del>	1.0		<del> </del>	<del></del>	<del></del> -	5

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATE "EATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

STATION GRAFENMOHR AAF DI STATION NAME 73-81 YEARS PAGE 1 2170-2300 HOURS STATION

Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0 1-2 3-4	5 - 6 7 - 8 9 - 1	0 11 - 12	13 - 14 15 - 1	6 17 - 18 19 - 20	21 - 22 23	- 24   25 - 26	27 - 28 29 -	30   * 31	D.B. W.B. D	ry Bulb 1	Vet Bulb (	Dew F
4/ 73		.1 .1	4 2					1		7	7		
	24.				<del></del>	·		·		15.	10.		
1 69	.4 .7	.4 .6	2			•				19	19	3	
5 / 67+		.5 .5	5		-			<u> </u>		15.	15	6.	
6/ 65	.7 .4 1.6	.2 1.3	2 .1	. 1						39	39	15	
4/ 63.	.1. 3.9. 3.1.	1.3 1.1	4 4.		··-						86.	25.	
1 61	.7 5.0 1.7	1.4 .8 .	5 .1							86	86	73	
	1.8 9.1 3.9	1.9.1.9.	2 .4					·		160	160	95.	. :
/ 57	3.1 5.7 1.8	1.6 .5 .	1							107	107	138	
5 / 55.	2.0 4.2 3.1	. 64.			<b></b>					86.	86.	115	_
4/ 53	2.3 3.0 1.2	.1 .4								5.8	5.8	174	1
_2/_51	.5, 3.9, 1.0	2						<b>.</b>		4.7.	47.	86.	
5 / 42	.7 2.6 1.1	• 1			*					38	38	58	
27. 47.	.8. 2.65	2								35.	35.	42.	
4 / 45	.5 3.1 .1									31	31	41	
:4/ 43.	1 2								+	3.		24.	
2/ 41	.1 .5 .1									6	6	3	
4 / 39.			_ +					<b></b>		1.	1.	4	
3 / 37	• 2									2	2	4	
/_ 35													
3 / 33													
[ <u>[1</u> ]	3.245.320.6	8.7. 7.8. 2.	6. 1.4	1	+						836.		.8
										836		836	
					<del></del>				-+			•	
					1								
	المنت المستنبين				<del>-i</del>	<del></del>							-
					<del></del>	+		<del></del>					
				<del>-</del>	-	+		<del></del>	+				
						+			· + · · ·				_
						+			-+		<del></del> -	<b></b>	-
									-+			<b>-</b>	-
									- <del></del>			<b>-</b>	-
									-i				-
Element (X)	2x2	2x	X	· ·	No. Obs.					h Tampereru			-
Rei. Hum.	5981 334	69958	83.7	12.324	836	± 0 F	1 32 F	≥ 67 F	≠ 73 F	. 80 F	ra • 93 F	T	0101
Rol. Hum. Dry Bulb	5981334 2815777	69958 48241	83.7 57.7	6.196	836 836	±0F	± 32 F	s 67 F		. 80 F		· · · · · · · · · · · · · · · · · · ·	
Rei. Hum.	5981 334	69958	83.7 57.7 54.8	12.324	836	±0F	1 32 F	≥ 67 F	≠ 73 F	. 80 F		T	erel

GLOBAL CLIMATOLOGY BRANCH USAFETAC ALD WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

STATION	GRAFENHOH	STATION N	AME			73-81				EARS				<u></u>	1 <u>6</u> -
												PAGE	1	HOUR S	آ. يا
Temp.			WET BU	LB TEMPER	ATURE I	DEPRESSI	ION (F)					TOTAL		TOTAL	
(F)	0 1-2 3-4	5 - 6 7 - 8	9 - 10 11	- 12 13 - 14	15 - 16 1	7 - 18 19	- 20 2	1 - 22 2:	- 24 25 - 20	27 - 28 29	- 30 * 31	D.B. W.B.	Dry Bulb	Wer Bulb	Dew f
/ 89					;	. 1				, ,	•	6	6		
8/ 97				.20.				٠.٠.		<b></b>		5.	. 5.		
6/ 85			• 1	• 0	• 1		• J.					19	10		
··/ 33			1.	لماله	1.	2	.1.		2	<u> </u>		61.	_ 51.		
/ 31		• 7	• 0	.3 .4	. 4	. 4	• 3	. 1				132	132		
1 79	- <del></del>		2.	.23.	_ 4.	3			.0.			124.	124.		
/ 77	1	.1 .1	• 5	•? •7	• B	. 6	• 5	. 1	$\sigma_{ullet}$			253	253	1	
11.75.		32	. • 4	<b></b> 6	5		_1_	.a.C.			<del></del>	194.	194.	9.	
4/ 73	•	- · · · -	• 7	.8 .?	• 3	. 1	• C					229	223	10	
-1 71		1 4 6	• 7, 1	.26.	3	1.						. 266.	266.	45.	
/ 59	•1 •		1.1	· A · 2	• 0							266	266	P 1	
/ 67		<u> </u>	1.1.	• 4 • 3		0						. 329.	309	165	
6/ 65	. 4 1.	1 .7 1.3	1.7	. 4	• 0							358	358	246	
4/ 63	.4 2.1 1.1	8, 1.5, 1.1	•9	<u>•6. •1.</u>								. 553	5.5.3.	446.	2
c/ 61	•6 2•1 1•	3 • 9 • 5	• 5	• 1								411	411	674	2
/ 59	1.8 4.6 2.	3 1 . 3 . 9	• 2.	<u></u>								. 747.	748	790.	6
. / 57	1.9 3.2 1.	3 1.5 .2,	• 2									513	513	845	6
/ 55.	<u> </u>	3 • 6 • 2										513	513.	754.	. 1
4/ 53	2.3 3.3 1.3	2 •2 •1										449	449	707	7
. 51 کے	1.3 2.8											325	325.	569.	6
/ 49	1.4 2.8 .											320	320	455	7
<u> / 47</u> .	<u> 1.2 1.6</u>									<b></b>		193	193.		,5,
/ 45	•9 2•1 •1	L										209	308	216	6
4/ 43	•3 •6 •									·		69.	<u>69.</u>	. 163.	_ 2
2/ 41.	•4 •9 •1											9 2	92	73	2
1 35.					~					+		35.	35.	65.	1
/ 37	•3 •1									1		27	27	41	
/ 35	<u></u>	··-··			+					<del></del>		17.	17.	14.	
4/ 33	• 7 • 6				1							5	5	11	
2/ <b>31</b> / 29		<del></del>								<del></del>	·	9	9.	_ 11.	
	15 670 217					2 0	0.	7							
196	15.63C.213.0	1 0 0 0 1 0 1	1.1.6	• 4 4 • 5	3.0	2 0 U	. 9	• 3	•0	+	+		<u>6695</u>		66
į	4	. !			1	í	I	i				6689		6689	
ement (X)	2 %,	ZX	X	**		No. Obs.	I			Meen No. o	f Hours with	Temperatu	re		
I. Hum.	41119550			.919.64		6689		10F	: 32 F	e 67 F	≥ 73 F	- 80 F	• 93 F	1	eral
y Bulb	2553599	+		.710.03		6690			1.0	205 .1	111.5	30.1			7
or Bulb	21168351			.9 6.69		6689			1.2		2.2		<u>.                                    </u>		7
Peint	18475661	3488	32 52	.2 6.51	L <b>7</b> !	6689	) (		2.7	6 .2	• 1	_			7

USAFETAC 100m 0.26-5 (OLA) serste memors tenions or tes rose ast oscolette

CLUBAL CLIMATOLOGY BRANCH UTAFETAC A!S WEATHER SERVICE/MAC

STATION STATION NAME 73-81

## PSYCHROMETRIC SUMMARY

SEP MONTH

Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0 1 2 3 4 5	6 6 7 8 9 - 1	0 11 - 12	13 - 14 15 - 1	6 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 ≥ 31	D.B. W.B. D	ry Bulb	Wet Bulb !	Dew P
6/ 55	• 1	• 1					· ·			,	,	•	
4/ 53.		<b>-1</b>				<u> </u>				. <u>.</u>	9.	3.	_
1/61	.9 .6	• 2								14	14	2	
	1.5. 1.66.	- <b>-1</b>									31.	_	1
- / 57	7.2 3.9 1.0	• 2								59	59	4.3	
5 / 55	2.2 4.5 1.1									A.	64	_	
4/ 53	4.1 6.1 1.5								•	94	94	90	ε
	2.6 5.2 1.5										76.		-
£ / 49	2.4 7.7 1.4									92	92	91	8
-/ 47	2.7. 4.22.									5A.	58.	-	B
4 / 45	5.1 6.5 .4									96	96	95	12
	4.4.2.51.									. 56.	5 <b>6</b> .		
2/ 41	4.5 4.5			•						72	72	60	7
-	1.7. 2.2									32.	32.	_	4
3 / 37	1.0 1.0		• •					<u> </u>	<b>-</b>	16	16	33	2
/ 35										. 12.	12.		
3-/ 33	.7 .4									9	9	12	1
2/ 31											Á.	11.	1
7 / 79	.5									ц.			
27.											•	•	
TAL	37.252.6 9.1	1.3 .1									8 74		80
										. 804.		804	
	• -••											- ·	
		<del></del>			<del></del>			· · · · · · · · · · · · · · · · · · ·		<b>-</b>			
					1			į.					
			<del></del> -		·				<del> </del>	·		·	_
					1	i							
				·	<del></del>	<del></del>							_
					1	í			i				
Element (X)	2 -	Z z			N. O.			M M	4 Ma				
Rel. Hum.			X	<b>*</b> a	No. Obs.					Temperatu		<u>-</u> -	
Dry Bulb	6913247	74318		7.371	804	= 0 F	1 32 F	≠ 67 F	→ 73 F	- 80 F	→ 93 F	T	otal
Wet Builb	1963493	39351		6.833	804		1.3	ļ <del></del>			<del></del>	<del></del>	9
	1870816	38430	47.8	6.499	204		1.7		1		1	İ	9
Dew Paint	1796030	37640	46.8		804		2.1			<del></del>		<del></del>	9

GLOBAL CLIMATOLOGY BRANCH USAFETAC ALL MEATHER SERVICE/MAC 1 STATES GRAFENHOUR AAF 13

STATION		STATION NAME					YEA	LR>				S.E	
										PAGE	1	OR DE	<b>35</b> 0
Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)		5 - 6 7 - 8 9 - 1	0 -11 - 12	13 - 14   15 - 1	6 17 - 18 19 - 20	21 - 22:23	24 25 - 26	27 - 28 29	30 + 31	D.B. W.B. D		Wer Bulb	Dew Pa
4/ 63	. 4					1				3	3		
<u>61</u> .	<u>. 4</u> <u> 1</u>		•	· · · · - · - · -				· · - · <del>· -</del> ·		4	4		
/ 59 ·/ 57	1.! 1.9 0.2. 1.4									23	23	12	
5 / 55					- <del>-</del>					<u>. 29.</u> 67	<u>29</u> . 67	. <u>33.</u> 40	2
4/ 53	3.6 4.1 .6 5. 4.1 .5	. 2								79.	_ <u>7</u> 9.	-	
	4.1 4.0 .6	_14		•••	···					70	73	72	<u>5</u>
5 / 45	2.9.5.6.1.4.									79	79.	76.	
6 / 47	4.2 5.5 .7	•		•	· - ·					84	34	67	8
4 / 45	3.7.7.3 .1.									93.	90.	82.	_
4/ 43	4.7 3.4		•		· ·					59	59	81	7
2/ 41	6.5.3.1										77.		
4 / 39	7.2 1.6									39	39	44	-4
3 / 37	3	<u> </u>								31	31.	37.	4
1. / 35	2.1.1.2									27	27	25	2
3 / 33	1.1 1.0									17.	_17.	19.	1
2/ 31	1 • 4: • 4:									14	14	20	1
5 / 24	9,92,									9.	_ 9.	. 9.	1
7 27	• 4									3	3	4	
· / 25						<b>-</b>		• • •		•			
TAL.	49.645.6 4.4	. 4									a ( 4		87
			•	+	<b></b>	<b>.</b>				804	•	624.	
1													
										<u> </u>	•		
<del>-</del>										• • •	•	•	
				·	<del></del>	<b></b>				<b>.</b>		•	
										•			-
					-	·				<u> </u>			-
	- :	,				. –			7	,	_		
Element (X)	2 2 7	2 x	X		No. Obs.			Mana No.	d Maura =1	h Temperatu			
lei. Hum.	7154721	75639		6.945	804	± 0 F	z 32 #	2 67 F	2 73 F	- 80 F	• 93 F	· · ·	etel
Dry Bulb	1816712	37794		7.068	804		2.9			+	· · · · · ·	<u>·</u>	9
Het Bulb	1749621	37.93		6.938	804		3.7			<del></del>		<del></del>	<del>,</del>
	1694153	<u> </u>											9

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIA WEATHER SERVICE/MAC

0.26-5 (OL A)

12

STATION STATION NAME

#### **PSYCHROMETRIC SUMMARY**

-- <del>SEP</del> --

-0430-08C0 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 21 D.B. W.B. Dry Bulb Wet Bulb Dew Point 47 63 7. / 59 1.4 2.2 1.5 • 1 38 18 13 / 57 1.9. 2.6. 1.4. 48. 48. 37. 5-/ 55 4.2 5.3 .2 .2 81 ٥l 63 57 3.2 5.1 1.6 .2 32. 89. 5.7 8.2. 27.51 3.1 3.9 • 6 61 72 81. a.5.. ./ 47 3.4 5.8 . 6 79 74 79 83 / 45. 5-2 7-5 1-0 108. 138. ...97. . 144 4/ 43 3.6 2.4 .2 50 57 69 58. 75 58. "•2 1•2 4 / 37 38 28 35 28 2.2 1.1 2 / 37 27. 27. 28. 37 / 35 1.6 19 19 22 22 10. \_15 1.1 15. c/ 31 1.1 .4 12 12 11 14 2.1 27 8 \_\_\_ 25 2 TETAL 43.047.6 8.3 1.0 R 0.5 Element (X) Ţ •, No. Obs. Mean No. of Hours with Temperature Rel. Hum. 4 67 F 4 73 F 4 80 F 4 93 F 1 32 F 805 69762.8 74684 92.8 7.677 Dry Bulb 38973 48.4 7.040 805 1926677 2.2 93 1838422 38090 47.3 6.703 805

GLUBAL CLIMATOLOGY PRANCH USAFETAC AIC MEATHER SERVICE/MAC

USAFETAC FORM 0-26-5 (OLA) MIVING MIVIOUS TORIGONS OF THIS FORM AND ORDORERS

## **PSYCHROMETRIC SUMMARY**

1 DB7: GRAFENHOHR AAF DL 73-81 YEARS PAGE 1 100 HOURS

Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0 1 2 3 4 5	-6 7-8 9-1	0 11 12 1	3 - 14   15 - 1	6 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 = 31	D.B./W.B. D	ry Bulb V	Vet Bulb D	ew Po
/ 81		i			. 1					1	1		
1-/ 77.				2.			-			4.	4		
E/ 75		•1 •	4 .2							6	6		
4/ 73			4	1				<b>.</b>		4.	4.		
71	• 1		6 .4	• 1						14	14		
/ 69.		. 7 7; .	9. • 4.							. 24.	24.		
/ 67	•1 •1	.4 .7 .	9	•1						19	19	5	
6/ 65.		<u>•9, 1•7</u>	72					·		36.	36.	<b>á.</b> .	
4/ 63	•1 1.2 1.7	2.6 3.4 1.	1 .5							86	86	23	
27. 51.	•4; 1•2, 2•4	2 • <u>5</u> , • 9, •	4					+		62.	52.	. 53.	1
/ 59		2.7 1.2 1.								109	109	62	4
		3.79								9 <u>.</u>	28.	96.	5
. / 55	1.1 3.4 2.0	7 1 21	4		•					76	76	108	7
4/ 53	9 2 0 1 9		1			•		•		5.5.	. 55.	96.	9
27 51	.7 2.5 2.5	•5 •4								5.3	53	83	9
1 4 7	1.7 3.2 2.7	_•7						<b>.</b>		. 56.	56.	74.	â
-/ 47	1.4 1.9 1.1	*								32	32	79	6
<del>/ 45</del>	1.7 3.7 1.0					•		•		46.	46.	_ 71.	11
4/ 43	1.7 .6									13	13	29	6
7 41	•5 •1	<b></b>	· • •-			<del></del>				5_	5	. 11	.5
3 / 37	•2 •1									د	3	3	2
· / 35		• · · · · · ·	*··-			•	+	··				1.	
	1~.026.723.81	7.211.5 7.	u 2.0	4	• 2						9.2.		9.0
125	1 00/2001/23007	1.00,81.00 / 0	7 Z O L)	• 0,	• • •					802	<u> </u>		<b>3</b> D
										B . Z		802	
			· + · · · · ·					····		·		- •	
!													
					+		•	<del></del>		+		•	
				1									
			*		1 .	•	<del></del>		-	•			-
						i :			ı				
					+ ! -	-			<del></del>	•			
	2 2 2	<del></del>	<del> </del>	1	<del></del>								
ement (X)		2 x	¥	<b>7</b> <sub>A</sub>	No. Obs.		- 10 5			Temperatu	-		
y Bulb	4988553	62237	77.61		<u> </u>	± 0 F	± 32 F	≠ 67 F	+ 73 F	- 80 F	• 93 F	<u> </u>	
y Bulb	2677 118	45980	57.3		862		·	£ •1	1.7	1	<b>+</b>		9
w Paint	2296586	42678	53.2		802_			•6		+	<del></del> -	<del></del> -	<u>9</u>
/- FOIRT	2027935	40057	49.9	2.821	8 C 2		L				4	1	9

GLERAL CLIMATOLOGY BRANCH LEAFETAC ATH WEATHER SERVICE/MAC

USAFETAC now 0.26-5 (OLA) INVIGO METODES EDITORS OF THIS TORK LAST OMOUTES

## **PSYCHROMETRIC SUMMARY**

STATION STATION NAME 73-81 - SEP -PAGE 1 1200-1400

Temp.				EMPERATUR							TOTAL		TOTAL	
(F)	0 1-2 3-4	5-6 7-8 9-1	0 11 - 12	13 - 14 - 15 - 1	6 17 - 18 19	20 21	- 22 23	- 24 25 - 26	27 - 28 29 -	30 • 31	D.B. W.B. 0	ry Bulb 1	let Bulb	Dew Por
£/ 95		}			. 1	• 1					2	2		
/ 27.						-5.	-1				<b>.</b> .	. 5.		
/ 81				•1 •	1 . 2	. 4	. 1				8	ē		
- 1791				6	21						9.	9		
7 - 7 - 77		•1 •	7 . 7	1.1 .	4 .1						26	26		
_6/_75.			16.	6	41.						24.	_24.		
4/ 73	•	• 2 • 1 1•	1 • 9	•6 •	4 . 1						28	28		
71.			9. 2.5.	1.0	4						- 55-	- 55.	2.	
1 69	• 2		7 1.2		1 • 1						48	48	3	1
6.1.67.		7. 2.1. 2.	3 1-1		1						57.	<b>7.</b> .		_ 3
6/ 65	•1 •6			_	1						59	5 \$	? 7	1
4/ 63.		3.4 2.3 3.		2					· · •		108.	108.	- 56.	10
// 61		2.0 1.9 1.									5 9	5 <b>9</b>	74	21
/ 59.	4 1.4 2.6	2.4 3.7 1.									103			5.5
5 / 57	1.1 1.5		-								5.7	5 <b>7</b>	102	5.0
5_/_55.		. 2 · 4 · 1 · 4 · · ·	I								44.	44.	132.	- 68
4/ 53	.9 1.2		•								32	32	8.5	90
2/ 51. 5 / 4¢	.4 .9 .7		4								27.	_27.	. 62.	
-/ 47.	.4 .9 .7 55	•									23	23	73	77
4 / 45	•5 1.2 .2				+							9		
_4/_43_	.5 1.2 .2										16 5.	16	28	120
2/ 41				<del></del>	+							5.	18.	7.1 4.3
4 / 39.					,								د	4 S
3 / 37										<del></del>		•	•	ىند. 15
· / 35.				1	1	1								
2/ 31		<del></del>										•	•	.a
_IAL	1.9 9.613.1	17.818.318.	5.11.1.	5.3 2-	2 1.0	1.0	. 2.					8.54		A L.
											804		874	
													_ ·	
_	;					. —								
					·				<u>.</u>					
1	•		!				1							
Element (X)	z <sub>x</sub> ,	ZX	¥		No. Obs.	$\dashv$			Meen No. o	f Hours with	Temperatu	70		
Rel. Hum.	3475981		63.9	15.339	8.24	4	10F	: 32 F	≥ 67 F	≥ 73 F	* 80 F	• 93 F	т	etal
Dry Bulb	3257577	50754		8.172	80				29.3	11.4	2.0	1		9.0
Wet Bulb	2519495			5.854	804				1.8			·		90
Dow Paint	2037265			6.437	804			• 2	.4			<del></del> -		9.0

GLCHAL CLIMATOLOGY BRANCH USAFETAC Al- \*EATHER SERVICE/MAC

USAFETAC Num 0.26-5 (OLA)

# PSYCHROMETRIC SUMMARY

1 667 SPAFENWOHR AAF DL STATION NAME 73-81 YEARS PAGE 1 1500-1700 HOURS 1.5.T.

Temp.					URE DEPRESS						OTAL		TOTAL	
(F)	0 1-2 3-4	5 6 7 8 9.	10 11 - 12	13 - 14 15	- 16 17 - 18 19	9 - 20 21	- 22 23 - 3	24 - 25 - 26	27 - 28 <sub>1</sub> 29 - 30	D.I	B. W.B. D	ry Bulb W	fer Bulb C	ew Po
8/ 87					• 1	i	• 2				3	3		
<u> 6/ 25.</u>	· · ·	··			1 1		_1			·	₹.	3.		-
-/ 83						• Ó	.1 .	5			1.0	10		
		<u> </u>			<u>.1, .1, </u>	4,		1			<b>I</b>	7.		
/ 79		•1 •2		• 2	. 4	. 1					9	9		
7_/_77.			<u> 6. 1.1.</u>		<u>.17.</u>						35	_ 36.		-
6/ 75			•7 •7		.4 .5						26	26		
4/ 73.		15. 1			<u>.42</u> .	2					42.	. 42.	2-	
/ 71			.2 1.9		• 2						5 <b>5</b>	55	3	
/ 69.		5, 1.2, 2			.2						52.	52.	5.	3
5 / 67	• 9		1 1.7	• 4							43	43	9	3
<u>-6/ 65.</u>	<u>•1. •4. •4</u>										71.	71.	42.	. 1
4/ 63		2.0 2.1 4		• 1							94	94	68	18
/ 59	2.4 2.7									*-	44_	44.	63. 99	1.7
1 / 57	1 1.5 1.2	_									105 58	105	91	42
5. / 55		1.5 1.2									_ <u>⊇</u> 2	36	107	<u>67</u>
4/ 53			• 3								23	23	74.	18
2/ 51	•2 2•1 •9		. 1								32	32	43. 69	76
5 / 45		4: 1	••								24	24.	66	74
: / 47		• 2											59	79
4. / 45	1.5 .9										19	19	21	110
4/ 43	. 4					-					3	3	22	45
2/ 41				1	_ !							-	4.	66
4 / 39												•		35
2 / 37									· · · · · · · · · · · · · · · · · · ·	·				1.9
' / 35,					•		•							5
3 / 33,					<del>-</del>			·						
2/ 31					1									1
LALL.	1.717.413.3	11.418.919	. 311.2	6.8 1	.7 2.1	1.4	.5, .	6				3.24.	<b>.</b>	804
			,		1 1						B ~ 4		E 2 4	
+										<del></del>		+	- •	
			1		1		i							
Element (X)	Zg*	ZX	¥	•	No. Obs.	_			Mean No. of H					
Rei. Hum.	3370734	50388		16.288	<del> </del>	. +	= 0 F	1 32 F			- 80 F		···	
Dry Bulb	3336040	51318		8.680			2 V P	= 34 F		15.2	2.8		·	
Wet Bulb	2544411	44969		6.033			+	+	7.1	•2	208			90
Dow Paint	2036155	40101		6.700					• • • • • • • • • • • • • • • • • • • •	<del></del>				90
	FA 9 8 1 3 3	7114,011	7797	. y • ( U U	00.	<b>T.</b>							4	

GLORAL CLIMATOLOGY BRANCH ULAFETAC ALF REATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 687 GRAFENMONR AAF DI STATION NAME 73-61 VEARS PAGE 1 18-03-2000 ROURS STATION

Temp.		WE	T BULB	TEMPERATU	RE DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0 1 . 2 . 3 . 4 5	-6 7-8 9-10	11 - 12	13 - 14 15 -	16 17 - 18 19 - 20	21 - 22 23	- 24 - 25 - 26	27 . 28 29 .	30 = 31	U.B. W.B. [	Dry Bulb N	et Bulb E	)ew F
67 RE		!				• 1.				1	1		
1 81			1							3	3.		
1 79					• 3 • 1					3	3		
7:/ 17		<b></b>	11	3	-1: -4.			<b></b>		· <del>.</del>	9		
£/ 75		•1 •	1 • 3	• 1	• 3					7	7		
41.73.			3 1	3							6.		
/ 71		.3.	5 .9	• 1	• 1					1.5	15		
1.69.		a.9. a.3a.	61	·						17-	<b>1.7.</b> .	2_	
5 / 67	.1 .3 1	1.5 1.1 .	9 .6	• 1	• 1					38	38	3	
6/ 65.		1.1.1.1.1.	03			+		· ·		43.	. 43	6.	
4/ 63	1.1 2.5	3.3 1.1 1.	3 . 3							76	77	3.1	
1 61	.5 1.6 2.5	1.8.3.	51							58.	58.	<b>65</b> .	
1 59	1.3 3.3 4.1 2	2.8 1.5 .	6 .1							107	107	78	
1.57.	-5 3-3 3-1	1.1.1.1.1	4.							7.3.	. 73	92.	
5 / 55	1.5 2.9 3.1	1.9 1.1 .	1							9.1	31	9.0	
4/ 53.	1 3.3 2.8	1.46.								63	6.3.	BO.	
1 / 51	.5 3.3 .9	.9 .1.								45	45	8.2	
5 / 47.	1. 3.4. 2.4	. 4.	_ +	·						. 57	5.7.	22.	
5 / 47	.6 1.9 .6	. 3								27	27	73	
4_/ 45	.5 3.4 2.1									49.	49	49.	1
4/ 43	.9 1.1									16	16	43	
21 41,	3			<del></del>		·					3	. 24.	
u / 35	• 1									1	1	1	
3 / 37						<del></del>						1.	
7 / 35					i								
TOTAL .	7-128-225-61	7.3 8.8 6.	4. 3.0	9	.5 .9 .1	3-					. 7 9 9.		:
1										798		798	
L			<b></b>	·									
J													
			<del></del>	·				·					
1													
		<del></del>						·		+			
				l		!							
Element (X)	24'	ZX	¥	-	No. Obs.			Meen No. o	f Hours wit	h Temperatu	·r•		-
Rel. Hum.	4846694	61108		14.500		1 0 F	1 32 F		• 73 F	▶ 80 F	• 93 F	т.	010
Dry Bulb	2724920	46248		7.754		<del>-</del> -	<del></del>	<del></del>		8			
Wer Bulb	2310241	42673		5.959			<del> </del>						
	2026478	39912		6.164			<del> </del>	+		<del></del>	<del></del>		

GLOBAL CLIMATOLOGY BRANCH USAFETAC Ald REATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

STATION	SRAFENHOHR A	STATION NAME		73-81		YE	AR5				. ZE	<u>P</u>
									PAGE	1	2100	-23
Temp.	<del></del>	#1	ET BULB TEMPERATU	E DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0 1-2 3-4 5	-6 7-8 9-1	10 11 - 12 13 - 14 15 -	16 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29 -	30: * 31	D.B. W.B.	bry Bulb	Wet Bulb	Cew_
1 71		•	1						1	1		
/ 69	<b></b>	.3	·		·		+			3.		
€ / 67	• 1	.1 .	. 3						4	u		
6/ 53		.15	1							9.	1.	
4/ 63	.1 .6 .5	.6 .4 .	1						19	19	5	
/ 61.	2 1.6 .6. 1	<u> </u>							23_	33.	18.	
1 59	1.4 4.3 3.0	.8 .6							8.7	87	3.3	
	1.7 3.8 .6.	.3						<b>.</b>	. 52.	52.	74.	
5 / 55	2. 4.1 2.5	•5 •1							74	74	73	
	1.5 7.1 2.1	•5							9.3.	92.		
4/ 51	1.8 6.1 1.8	• 5							£ 1	ė 1	103	
5 / 49	2.3 6.7 1.3	•5. •1.					- · •		. 81.	<b>#1</b> .	94.	
- / 47	2.9 5.4 .4	• 1							73	מיד	56	
4 / 45		• <del>1</del>						- • •	. 9.3.	23.	73.	1
4/ 43	2.1.2.8 .3								40	4.3	83	
	2.3.2.5									38.	45.	
L / 39	.3 1.1								11	11	17	
			التشميد سدانية						12	. 10.		
7 / 35	• 4								3	3	6	
	•1. •8.								I.	7.	5.	
107 <b>31</b> 117 29											ć	
			4						•			
1 12 6	23.754.614.5 5	. 4 1.7	6						700	799	700	7
									. 144		799.	
					*			* * * * * * * * * * * * * * * * * * * *	• •-	- •		
									<del></del>	+		
•	· ····			· · · · · · · · · · · · · · · · · · ·					+	<del>-</del>		
4												
<del></del>	<del></del>		<del></del>						•	•	•	-
<u> </u>				_i								
Element (X)	Z X '	Σχ	Σ ",	No. Obs.			Meen No. o	f Hours wit	h Temperatu			
Rel. Hum.	6317226	70634	88.4 9.562	799	: 0 F	: 32 F	≥ 67 F	# 73 F	- 80 F	• 93 5	ΨΨ	otal
Dry Bulb	21668 31	41265	51.6 6.691	799			.9		·			
Wet Bulb	2:109416	39772	49.8 6.798	799		• ?			•	•		
Dew Point	1887463	38524	49.2 6.133	799		. 9						

GLORAL CLIMATOLOGY BRANCH USAFETAC Alm NEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

STATION	_ GRAFENHOHR	STATION NAME	73	-81	YEARS			<del></del>	Ę.P
						PAGE	1	HOURS	<del>L. S.</del> 1.
Temp.		WET BUL	B TEMPERATURE DEPI	ESSION (F)	<del></del>	TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4	5 - 6 7 - 8 9 - 10 11 -	12 13 - 14 15 - 16 17 - 1	8 19 - 20 21 - 22 23	24 25 - 26 27 - 28 29 - 30 - 21	D.B. W.B. D.	ry Bulb	Wet Bulb	Dew P
-6/ 87		ì		o .n		3	3		
-61 85		·	<del></del>	0 0 0			6-		
4/ 53	i			• 1 • D	•1	15	15		
	<b></b>		2 .0 .0 .	1 -1 -0	• C	. 19.	19.		
/ 79		•0 •□	•1 •1 •	0 •0		21	21		
7.7.17.	•	00	3 • 4 • 1 •			75.	75.	· ·	
c/ 75			2 •2 •1 •	-		63	63		
4/ 73.			3 -3 -1 -			80	_ 8C	<b>2.</b>	
71	•3	.1 .4 .5 .	7 • 3 • 0 •	-		140	143	. 5	
_/ 69		<u></u>	4 1 0	U		144_	144.		-
6-/ 67	• 7 • 2		3 .2 .0			161	161	28	
4/ 63		-411-49-4	4 1 0		<del></del>	<u> </u>	220.	•	
4/ 63 4/ 61	. •1 •5 1•3	1.5 1.1 1.3	4 •0			403	404	186	
/ 59	1.7 2.4 2.3	1.4 1.4 .6	3		·	- 281 596	281	•	
- / 57	1.7.2 4.1.5	1 7 6 6				596 474	596	412	2
5 / 55	1.8 3.2 1.3	1.1 .62	<del></del>	- <del></del>		523	523	- <b>568</b> . 635	. 3.
4/ 53	1.9 3.6 1.6	8 3 0				518	523 518.		
2/ 51	1.6 3.6 1.2	.4 .1 .0				445	445	624	- 6
5 / 49	1.8 4.2 1.3	4				493	493	631.	. <u>.</u>
-/ 47	1.9 3.2 .6	• 1				368	368	62C	6
44. 45	2.3 4.9 .8					. 517.	517.		_
4/ 43	?•1 1•6 •1					- 242	242	440	5
2/ 41	2.3 1.6 .2		······································			253.	253.	279.	_
1 / 39	1.1 .8					114	114	140	2
3-1-37	9 4			<del></del>		. 84.	84.	113.	. 1
* ( / 35 <sub>1</sub>	. 6 . 4					61	< 1	61	
3-1-33.			·	<del></del>	······································	43.	43.	. 51.	
2/ 31	• 4 • 1					34	34	44	
					<del></del>	17.	17.	19.	
/ 27	. • 1 <sup>!</sup>	1				. 7	7	8	
25	<del></del>		+						
TAL	21.734.414.1	9.0 7.4 6.6 3.	4 1.7 .6 .	5 • 3 • 1	• 1	. 6420i	6421	6425	64
lement (X)	Z <sub>X</sub> ,	Z <sub>X</sub> X	₹ <sub>A</sub> No. 0	bs.	Mean No. of Hours wi		•		
el. Hum.	44043556			420 ±0F	± 32 F = 67 F = 73 F	- 80 F	+ 93 F	1	Fotal
bry Bulb	19869321			421	6.5 81.5 31.0	5. 5.7			7.
for Bulb	17139008	328466 51		420	8.0 5.0	2,			7.
Dow Point	15272518	310180 48	3 6 6 7 8 6	42D	10.8 1.1				7.

USAFETAC NOW 0.26-3 (OLA) REVISE REVISE OF HISTORY

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

587	GRAFENMI	OHR AAF DL STATION NAME			73-81		YEA	RS			_	MON.	TH
										PAGE	1	DODE-	ąz,
Temp.			WET BULB	TEMPERATUR	E DEPRESSION	(F)	*			TOTAL :		TOTAL	
(F)	0 1 2 3	3 - 4 5 - 6 7 - 8 9					- 24 25 - 26	27 - 28 29	- 30   + 31	D.B. W.B. D	y Bulb	Wet Bulb C	Dew P
- 2/ 61		• 2					1		1	2	2		
_ / 59		<b>.1.</b>		· ··-	<u> </u>	<del> </del>				4.			
· · / 57	•1.									1	1	5	
5. / 55	1.					+					7.	<b> 2.</b>	
4/ 53	.6 2.4					•		·		30	37	13	
2/ 51	.7. 2.2				<u> </u>					. 32.	32.	29.	1
5 / 49	2.6 4.1									59	59	49	4
	1.8.3.8										_ 52.	6C.	
4. / 45	4. 6.0	• 4								9.8	36	73	٤
4/ 43	2.3 4.4			•	<b></b>					61.	61.		5
F27 41	8.3 6.6	• 4								127	127	116	11
<u>u / 3c</u> .	6.7.4.0	. • 2				<del></del>			+-	. 85.	. 85.	103.	14
3 / 37	5.6 2.4	•6 •2								74	74	85	
/ 35	_7.1, 1.8;	. 7 2.			· · · · · ·	<b>-</b>				<u>82</u>	82.	82.	1.
3 / 33	4 • 1 • 6	•2 •2								4 3	43	51	
<u> </u>	<u> 4.1, 1.1, </u>	- <b>-</b> 1		·						44-	44.		-
7 / 29	1.3 .6	• 1								17	17	23	•
7 / 27 7 / 25	·5 ·2				<del></del>					19	19.		
?:/ 23	•5 •2 •4									6 3	6 3.	6	
2/ 21	<del></del>				<del></del>					<del></del>		4.	-
/ 19													
17				•	· · · · · · · · · · · · · · · · · · ·	·							
1. / 15.													
TAL	51.341.0	6.7 1.0			+				+	<del></del>	834		3
	)				į					834		834	٠,
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					į.								
				·									
	<del>-</del>				1 - 1				1				
Element (X)	Z <sub>X</sub> ,	2 x	T T	•	No. Obs.	<del> i -</del>		Magn Mc	d Maura -	th Temperatur			
Rel. Hum.	73356			8.264	834	1 0 F	± 32 F	* 67 F	≥ 73 F	> 80 F	• 93 F	T.	otel
Dry Bulb	1457			6.823	834	- • •	9.9			+			
Wet Bulb	1394			6.497	834		11.4		<del> </del>	+	· · · ·	<del></del>	
Dew Paint	1332			6.699	834		13.9		<del> </del>	+		<del></del>	
		7200	7.03				4871		<del>'</del>	<del></del>			

USAFETAC rose 0.26-5 (OLA) service response son on the contraction of

GLOBAL CLIMATOLOGY BRANCH USAFETAC AID WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

Temp. WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

TOTAL

TOTAL

Temp.								JRE DEPRESSION					TOTAL		TOTAL	_
(F)	0	1 - 2	3 - 4	5 - 6   7	-8 9-	10 11 - 12	13 - 14 15 -	16 17 - 18 19 -	20 21 - 22 2	3 - 24 25 - 26	27 - 28 29	- 30 + 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew I
/ 59		ŀ	. 4				:	1				1	3	3		
. / 57		. 4	<u></u>						·							
5 / 55		1	• 2					-					3	3	6	
4/ 53	7	1.7	2.		.1.								23	23		_
2/ 51	5	1.7	. 1	• 1	• 1			į.	•	•		,	21	21	24	
5 / 49	1.0	3.7	1.										40			
0 - / 47	1.7	2.3	. 4										36	36		
4: / 45	7.2	6.0	8.						+				- 117	117	88.	
44/ 43	2.6	4.2	• 2										59	59		•
-2/ 41	8.7	7.6	1							<del></del>	• •		. 138.			
4 / 39	5.3	2.7	• 1										6.8	6.8	98	1
3./ 37.	7.3	1.7	5.					· · · · · · · · · · · · · · · · · · ·				_ +-	. 79.			
′ / 35	5.7	2.5	• 5										73	73	73	
3 / 33.	3.7	1.9	. 2				· 						49.	49.	. 54.	
2/ 31		5					1						44	44	54	
	1.9	1.4	. 4.		<u> </u>						•		. 31.	31.	. 26.	
~ / 27	3.5	. 2			1		1						31	31	36	
/ 25.	7	2			i								8.	8.		
24/ 23	1.0	:											8	8	10	
. 2/ 21.	- 4	•			- +								3.	3.		
/ 19							i									
17						- +		·								
TOTAL	54.2	38.8	4.7	• 1	• 2	1			1					837		8
		·											. 837.		8.37.	
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:						'	1		1							
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Element (X)		2 x'	+	Z X		×	•	No. Obs.	<del>-  </del>		Man No	al Maura	th Temperat			
Rel. Hum.			3060		78774		7.677		5 0 ₹	: 32 F	* 67 F		- 80 F	93 (		eta l
Dry Bulb								837		<del></del>		- /3 -		73,		
Wet Bulb			8560		33590		6.964	837	+	13.9		+	<del></del>	•		<del>-</del>
Dew Point			5886		32966		6.697	837	<del></del>	15.4		<del> </del>	+	<del></del>		
		128	1588		3223B		6.909	837		17.8	L	1	<u> </u>			

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF #EATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

STATION	GRAI	C.N.W.	UHK_	AAF	ION NAME			73-	<u>r)</u>		YE	ARS				- CC	TH
														PAGE	1	HOURS IL	- <u>n</u>
Temp.								TURE DEPRE						TOTAL		TOTAL	
(F)	0 1	- 2	3 - 4	5 - 6	- 8 9 - 1	0 11 - 12	13 - 14 1	5 - 16 17 - 18	19 - 20	21 - 22 2	3 - 24 25 - 26	27 - 28 29	- 30 - 31	D.B. W.B. [	ry Bulb	Wet Bulb	Dev
· / 57	1	. 4	• 1		ļ							. !	:	4	4		
5 / 55		•6	-1	1-		+				+					<b>_7</b> .		
4/ 53	. 4		• 1	• 2	• 1									21	21	9	
2/ 51			-4.			<del></del>				<del></del>				29	29		
5 / 45	1.4		• 6											35	35	37	
	2.5					<del></del>								. 53.	50		
4 / 45	4.7		• 6											98	98	75	
4/ 43.	4.4.		6;				÷					·		. 81.	81		
2/41	7.5	-	. 4					•						128	128	109	
3 / 37	7.5		• 2.											81.	<u>A7</u>		
3/3/	3.9		• 4											75	75	98	
3-/ 33	3.5		. 4			+						• • • • • • •		59	. 59	. <b>57</b> . 52	
2/. 31	3.9.1		• •	. 1										43	43		
/ 29	2.3 1		. 4											32	32	<u>.</u> 28	
1 27	1.9	.1	• •											17	17	_	
/ 25	7.1	•					·								<u>.</u>	. <u>2</u> . 11	
2 / 23	7.	• 1					1							7.	7	7.	
2/ 21	. 4					•				•				3	<u>.</u> 3	1.	
/ 19:	-													2	ź	2	
17						-+				·				· · · · · · · · · · · · · · · · · · ·			
TITAL .	52.842	2 . 1	4 . 4	. 6	. 1	4									836		1
	,													836		836	
	•		-											•			
	·					<u> </u>								+			
ì								•		-				·			
								<del>+</del>						<del></del>		· · ·	
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<del>+</del>				<u> </u>		<del>- i</del>				<del></del>		<del>i</del> _		<del></del>			
	,					. ,		1		, !							
Element (X)	Σ,	,,		Σ,		×		No. Ob	•.	<del></del>		Meen No.	of Hours wit	f Temperatu	r•		
Rel. Hum.		7414	519		78477	93.9	7.56	C 8	36	= 0 F	± 32 F	≠ 67 F	■ 73 F	- 80 F	. 93	, 1	ote
Dry Bulb		438			33835		6.87		36		12.6		1				_
Wer Bulb		351			33167		6.56		36		14.0				<del>                                     </del>		
Dew Point		295			32427		6.72		36		16.5		<u> </u>	+	+		

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI: #EATHER SERVICE/MAC

USAFETAC NOW 0.26-5 (OLA)

## **PSYCHROMETRIC SUMMARY**

1 6872 GRAFENWOHR AAF DL 73~81 YEARS MONTH

PAGE 1 - 0000-1100

Temp.					WF'	RULR	TEMPER	ATURE	DEPRE	SION /	F)						TOTAL	(	TOTAL	
(F)	0 1.2	3.4	5.4	7.8								22 . 24 2	5 24	27 28	20 30	- 31		Dry Bulb	Wet Bulb	Dan Pa
				,,,,,,			13 - 14	13 . 10	17 - 18	17 - 20	21 - 22	23 - 24   2	3 - 20	27 . 20	27 - 30		-			
6:/ 67					• ;	l.	į		1		i		1	'			1	1		
_6/_65.						<u> </u>	<del> </del>	<del></del>	<del> i</del>						——		3	3	+ · · ·	•
4/ 63			• 2	-		?			1								7	7		
21. 51			•2			<del></del>	<del></del>			-+		<del>+</del>		•	·		4	+		· · ·
/ 59	• 1		1.6			. 1				i							21			
	6					L,			+			<del></del>					. 27		-	
5 / 55	.1 1.2												1				3 3		•	
	1 1-8			1.2		<b></b>	<del></del>	•									46			
2/ 51	1.6 2.3			• 1													5 2		-	
5 / 43.	1.4. 3.6		7			•			·			<del>-</del>	;		<del></del>	<del></del>	68			
. / 47	1.1 3.6				• 1	l											5 3		_	
	3.6. 7.9			•		<b></b>			•			+					143			114
4/ 43	2. 5.9		. 4														79			78
	5.9. 7.4				<u>.</u>	•			•								131			• • •
u / 30	2.9 2.5																56			
3.7.37	3.3 1.6																48			
7. / 35	2.6 .5		• 2	•													31	31	48	4 6
3 / 33	_1.36	,															16			
2/ 31	.7 .4																9	9	20	20
3 / 2)		<del></del>							•	<del></del>							5	5	5	19
71/27	• 2								,								. 2	2	2	18
2-1-2-	1					•			·		<del></del>						- 1	1	1	10
24/ 23																				4
2/ 21	<del></del>					•	<b></b>		•								+	<del></del>		
TAL	27.340.1	18.3	10.4	3.3	•	• 1			:									836		834
<del>-</del>		<b>.</b>				+							+				836	<del></del>	836	–
1																				
		+					•										<b>.</b>	•		
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÷									<del>                                     </del>				i		i		<b></b>	<u>-</u>		
							I		!				:	- 1			1			
														i			<u> </u>			
Element (X)	2 x'			ZX		X	•		No. Obs								h Tempere			
Rel. Hum.		6844	<b></b>	714			12.7		B		10F		32 F	≥ 67	F .	73 F	- 80 F	+ 93	F :	Total
Dry Bulb	177	9405		381	31		6.9	_	8 :	36			1.9		-1					93
Wat Bulb		8996		363	30	43.5	6.0	14	8.	36			3.1		$\perp$		i	1		93
Dew Point	145	2503	I	344	E 7	41 2	6.2	20	8.3	• a   [		I _	A . 1		1			C	; -	93

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 687 GRAFENMOHR AAF DL 73-81 OCT
STATION STATION HAME 73-81 YEARS MONTH

PAGE 1 12CC-140CC
HOURS ILL S. T.I.

Tomp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

Temp.								TEMPER/										TOTAL		TOTAL	
(F)	0 1	1 - 2 3	. 4 5	- 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	23 - 24 25	- 26	27 - 28	29 - 30	<b>* 31</b>	D.8./W.8.	Dry Bulb	Wet Bulb [	Dew Poin
~4/ 73		•			:		1	• 2		1								3	3		
71	<u> </u>					1		4.				1	!				Ĺ	4.	4.		
/ 59				. 2		• 2	6											9	9		
6:1 67					. 6.	2	·	2.		<del> </del>							<u> </u>	. 9.	9.		
6/ 65					• 6	. 5	. 1	• 1					i	:				11	11		
14/ 63	·- ·- ·		_1,_1	1.1.	1.6	1.1	6											. 37.	37.	2.	
./ 61	1		.5	1.0	• 8	• 7	• 1			'							1	26	26	8	
/_59,		21	_6, _1	1.9	1.2	2	4			•		<b></b>					<u></u>	47.	4.7.	16	
· ./ 57		1.2	. 5	2 . 3	• 5	1.1	1											47	47	28	5
5: / 55		-6: 1	ن و ا	2 • 5	1.3	7	·			•—		+						. 56.	56.	45.	9
4/ 53	• 7	1.8 1	L•3 :	1 . 7	1.1	. 1	,i	• 2					•	- 1				58	58	5.2	35
	. 4,	1.9 2	2.2	1.1	. 2	. 4												. 52.	52.	_ 68.	4.2
5 / 49	• 1	2•7: 3	5.3	1 • 3	. 4	. 2	. 4											71	71	59	48
<u>" / 47</u>		<u>3.1, 4</u>	8	1.8	1.	_ •1						•						. 91.	91.	89.	54
4-/ 45	1 • 4:	5 - 3   3	3.7	2 • 9	1.2	• 2	. 2											125	125	128	116
4/ 43	1.7	4.1 1	?	. 7	• 2													64.	64	111	89
2/ 41		4.3 1			• 5													79	79	96	149
4 / 39.	7.7		•1	•1:														. 27.	27.	65	_103
3-/ 37	1.1	• 2						i										11	11	44	5 <b>5</b>
7. / 35	1.1											+ +-						9	9.	24	. 4.3
34/ 33		• 1																1	1	1	16
2/ 31.	+						<del></del>	+				+ +						•		1.	27
1 / 29												:									13
7 / 27													+-								12
·/ 25								1				i '									6
2 / 23								i				<del></del>		+	-						8
2/ 21.					1										i						1
/ 10.					+		<del>-</del> -——					<del></del>		-				•		•	1
1// 17					'			i				:									2
CTAL.	17.62	6.522	• 5:11	4 • PIT	U . 8,	5.0	2.7	1.3						<del></del> i					937.		837
								!						!				837		837	
<del></del> +	-			-	+			+		<del>                                     </del>		+						<del></del>			
!							'					i I			i						
Element (X)	2,	,,	$\rightarrow$	2	•	_	1			No. Obs	. 1	1			Heen M	a. ad Ma	we wid	h Temperati		•	
Rel. Hum.		49535	SA	<u>_</u>	6303	2.6		15.70		8.3	-	1 0 F	= 32	<b>p</b> 1	* 67		73 F	- 80 F	• 93 F		etal
Dry Bulb		21826			4225			7.70		8.		- • •	1		2 ,	o	. 3	<del></del>	+		93
Wer Bulb		18329			3883			6.10		8 :			+	• 1		•=	• -	•	+		93
Dew Point		15380			3543			6.72		8 :				. 8				<del></del>	1		93
		2 y y y y	7		4 4 7 4	-	7693				-			7 91				L	1		<u> </u>

USAFETAC FORM 0-26-3 (OL.A) REVISO METHOUS EBITORS OF

GLORAL CLIMATOLOGY BRANCH USAFETAC AIS MEATHER SERVICE/MAC

USAFETAC NOW 0.26-5 (OLA)

# PSYCHROMETRIC SUMMARY

1 687 GRAFENHOHR AAF DI STATION HAME 73-81 VEARS MONTH

PAGE 1 1500-1700

Temp.										PRESSION					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14 15	- 16 17	- 18 19 - 20	21 - 22	23 - 24 25 -	26 27 - 28 29	9 - 30 - 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poi
4/ 73		i	:				- 1	• 2	- 1		!	-		i	3	7		
71			<u> </u>		: 	1	-		·		<u> </u>	· · · · · · · · · · · · · · · · · · ·			. 7.	<b></b>		
/ 69					2	. 4		•							6	6		
6./ 67		<del></del>	<u> </u>	1		8		5.							. 15.	15.		
6/ 65		1		. 1	1.1	7					1				19	19		
4/ 63			•	1.9	1.6	7	1				1				36.	36.	1.	
- 2/ 61		. 1	8	1.2	1.5	. 5	. 4								33	33	6	
1 / 59		6	1.1	1.6	1.7		1				• •			· · · · · · · · · · · · · · · · · · ·	45.	45	. 25	
1 / 57		• 6	1.3	1.8	. 8	1.2	• 1								49	49	45	
5: / 55,		6	1.0	1.1	1.3	-4									36.	36.	43.	_ 2:
4/ 53	• 5	. 8	3.5	2.2	. 4	. 1									62	62	46	3 1
-2/ 51,	.2	1.4	2.9	.1.3	2	2	1						·		54	54.	54.	-
5 / 49	• 2	1.9	4.2	1.3	• 2	• 1		• 2		1					66	66	68	5 3
47	5	2.0	3.3	1.7	4	2				· · · · · · · · · · · · · · · · · · ·					. 68.	68.	95.	46
41/ 45:	1.4	5.7	4.2	1.9	1.1	• 5									123	123	104	138
4/ 43				1.2											92.	92.	117.	101
· 2/ 41	1.7	5.6	1.3	1.2	• 1.							,			83	8.3	93	149
4./ 39		1.0	L				<b>.</b>								29.	29.	80.	_108
3-/ 37	• 6														5	5	43	51
<u>~// 35</u> ,	7.														6.	6.	16.	39
3 / 33																	1	15
2/ 31		•		·			•——									•		25
- / 29																		1 4
7:1 27			·	•			• •							+		•		
11/ 25					:													1
24/ 23i			i •												<u> </u>			4
2/ 21																		2
								+			• • •		<u> </u>		<del>-</del>		· · - · •	
TOTAL	ი•გ	25.8	25.6	19.2	10.9	6.3	1.9	1.4	i							837		837
			<del> </del>	i			<del>  </del>		<del></del>		•		-		837.		837.	
											;							
	<del>- i</del>						<del>  </del>		<del></del>		+		<del>+-</del>		+			
	:				1		i !		1				!	1				
Element (X)	نـــــــ	Z <sub>z</sub> ,			Z x		¥		1 24.	, Obs.	• •		Man Ma	of Mouse	th Temperatu			
Rel. Hum.							<del></del>	<del>-</del>	+		: 0 1	32 F	<del></del>			re i + 93 F		9101
Dry Bulb			1779		631			15.18		837	: 0 7	2 32 P	<del></del>	<del></del>	+			
Wet Bulb			2436		424			7.98		837		<del></del>	3.4	1	<u> </u>	<del> </del>		91
Dew Paint			1436		390			6.25		837		<del></del>	<del>_</del>	+	<del></del>	<del> </del>		93
		_155	<u> 1522</u>		356	16	<u>42.6</u>	6,64	٠	837			11	<u> </u>	<u> </u>	·		9.3

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

USAFETAC NOW 0-26-5 (OLA)

1 6973 GRAFENWOHR AAF DL T3-81

#### **PSYCHROMETRIC SUMMARY**

	PAGE	€ 1	1800-200
Temp. WET BULG TEMPERATURE DEPRESSION (F)	TOTAL		TOTAL
(F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 301 •	D.S. W.S.	Dry Bulb	Wet Buth Dew P
.1.	1	1	
4/ 63, al al.	2.	2.	
2/ 61	1.3	10	1
/ 59	23		1
/ 57 1.9 .7 .6 .1 .1	21	21	15
/ 55 6. 1.2. 2.5	37		
4/ 53	36	36	32 2
2/ 51 1 1 3 3 5 1 1 2 4 6			
7 49 1.3 3.5 3.0	6.5	65	52 4
/ 47	67.		
	125	125	102 9
4/ 43 3.1 6.3 .7 .2 2/ 41 5.9 7.5 1.4 .6 .2 .1	87.	87. 132	
/ 39 7.5 2.9 2.0 .4 .2	132		
/ 37 3.5 1.4 1.7 .4	5 2	<u>. 9.1</u> . 52	. 79 <u></u>
7/ 35 1.4 1.2 .1	23		
/ 33 1.6 1.0' .1	22		38 3
2/ 31 5 51	9	9	
/ 29 .4 .2		5	7 2
./ 27	3	3	
/ 25			
/ 23			_
2/ 21			
/ 19			
TAL 26.347.819.5 4.3 1.3 .7 .1		837	8.3
	837.		837.
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	į.		
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oment (X) Z <sub>X</sub> <sup>2</sup> Z <sub>X</sub> X Y Y No. Obs. Mean No. of Hours 15. Hum. 646.2-3.2 7.2-46 8.7-211-2-3.7 8.3.7 1.0.5 1.32.6 2.32.6 2.32.6 2.32.6			
	- 80 F	- 93 1	
		<del></del>	
10 801b 1612355 36361 43.4 6.26 837 2.8	-+	<del></del>	9

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 6870 GRAFENHOHR AAF DL 73-81 VEARS MONTH -

Temp.								TURE DEPR						TOTAL		TOTAL	
( <b>F</b> )	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10   11 - 1	2 13 - 14 1	5 - 16 17 - 1	8 19 - 20	21 - 22 23	3 - 24 25 - 26	27 - 28 29	- 30   > 31	D.B./W.B	Dry Bulb	Wet Bulb	Dew I
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4/ 53		1.7								İ							
2/ 51		2.9			-					1		+		37	_		
5 / 43.					I	,					;				•		
4-/ 47		2.8										+		53			
4-/ 45.						;									119		
. 4/ 43		5.0										•		72			
2/ 41					1				*	1					. 145		
4 / 30.		4.3			• 2				-	•				<del></del>			-
3-1 37.			-					1						69			
/ 35				. 4			-		<del>-</del>	+		·-···		46			
3 / 33				1											34		
2/ 31														بد عد 41	-		
7 / 29							1										
2-1 27							+		+			·					-
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2-/ 23					<u>.</u>											3	• -
2/ 21																	
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TOTAL	4 7 . 0	4 7 . 4	ם בי ו	1.4	. 4.		į		•						. £37		
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Element (X)					Z X	X	- PA	No. O			<del></del>		of Hours wi				
			5783		7666		7 9.54		136	2 0 F	1 32 F	2 67 F	+ 73 F	- 80 F	• 93		Total
Dry Gulb			2202		3526		1 6.57		37		8.9		L	<del> </del>			
Wet Bulb			<u>0470</u>		3430		0 6.28		36		10.5		ļ	<del></del>		<del></del>	
Dew Point		136	<b>a227</b>	i	3326	30.	8 6.63	al c	36		15.4	1	1	1			9

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI: WEATHER SERVICE/MAC

USAFETAC NOM 0-26-5 (OLA) SENSE REPOSS

#### **PSYCHROMETRIC SUMMARY**

STATION	GR	AFEN	OHR	AAF	DL ATION NAM				73-81		YE	ARS				0	CI.
														PAGE	1	HOURS	L S. T.
Temp.						WET	BULB T	EMPERATUR	RE DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8 9	- 10	11 - 12	13 - 14 15 -	16 17 - 18 19 - 2	0 21 - 22 2	3 - 24 25 - 26	27 - 28 29 -	30 - 31	D.8./W.8.	bry Buib	Wer Bulb	Dew Po
4/ 73							-	• 1			, -			6	6		
1 71		<u> </u>				• 2.	2.	. 1.						<u>. 11.</u>	11.		
/ 69				• 0	• 0	• 1	. 1							15	15		
-/ 67		: .		<u>. 0</u> .	1	.2	. 0.	1						26.	26.		
6/ 65				• 9	. 2	• 2	• 0	• C						3 3	33		
4/ 63			. 7	. 4	. 4	3.	1							B2.	82.	3.	
2/ 61 i		• 3	. 2	. 4	• 3	• 2	. 1							75	75	16	
1 59	1.0	. 2	. 6	. 7.	. 4	.1	1.	2•						145	145.	45.	
-/ 57		• 6	• 5	.7	• 2	• 3	• 7							156	156	93	1
1 55	1	6.	1.7	. 6	. 4	-1.								196.	196.	146	6
4/ 53	• 6	1.7	1.1	.7	. 4	• 0		• 0						303	303	216	1.3
2/ 51;	7	2.3	1.1	5	. 1	_ 1								. 327.	327.	340.	. 25
/ 49	1.3	3.1	1.9	. 4	• 1	• 0	• ^	.5	i					462	462	408	34
1 47	1.4	3.2	1.8	. 5	• 2	_•1.								479	4.70.	. 536.	3.
/ 45	3.6	. 7.1	2.2	• 7	• 3	• 1	• ^							936	936	735	9 (
4/ 43	2.6	5.3	• 9.	. 3	• 1		<b>-</b>							595	595	. 814.	6.
2/ 41	6.1	6.7	. 9	• 5	• 1	• 0								963	963	889	108
/ 39	3.9	2.8	.6	.1	• 1	<b>-</b>		<u> </u>						493	493.	688	. 82
1 37	4.2	1.2	. 6	• 1										413	413	569	60
// 35	3 . 2	1.3	. 3	. 1				- · <del></del>						329	329.	421.	41
-/ 33	2.1	• 9	• 1	• 7										214	214	276	25
./ 31	2.2	• 6	. 1	• C						+				190	191	240.	. 3.
1 29	1.0	.6	. 1	• C	•									114	114	115	19
1 27	1.1	. 1												83	83	100	. 13
/ 25	• 3	. 1			-	-								27	27	31	6
/ 23	• 3									·				18	18.	21.	6
2/ 21	• 1			•										6	6	6	
/ 19	2	L					_								2.	2.	1
/ 17		1												,			1
1 15			<u>.</u>											·			
TAL	34.7	38.21	4.1	7.0	3.4	1.7	• 6	• 3	<del></del>						6691		669
			1			1								6690.		6690	
- T		1				!				i				:			
ement (X)		Z <sub>Z</sub> ,				<del></del>	¥	•	No. Obs.	<del></del>		Magn No. o	d Hours will	h Temperer			
el. Hum.		5194	1071		58246	2 /		13.571	6690	107	1 32 F	* 67 F	• 73 F	- 80 F	• 93 F		Total
ry Bulb		13696			2978D			8.141	6691	<del> </del>	49.3	6 .4	. 7	+	+		74
et Bulb		12426			28464			6.887	669°	<del>                                     </del>	57.3	0.4		<del> </del>	<del> </del>		74
ow Point		11297			27110	<del></del>		6.816	6690	<del> </del>	96.1			<del> </del>	<del></del>	<del></del>	79
		4467	440		- / 3 4 4	9	1 Y 0 3	0 0 0 1 0	9070		7904			<u> </u>			

STATION STATION STATION NAME PAGE 1 2006-3200 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | e 31 | D.B. W.B. Dry Bulb Wer Bulb Dew Poin (F) 5 / .5 .4/ 53 **4** 5 8 8 ...8 .4 1.1 14 14 15 8 25 1.5 2.1 4/ 43 30 30 31 23 68. --- 68-47 7.9 2.3 • 5 • 3 48 54 48 48 6.5 3.7 85. â5. 79. 78 6.4 5.8 101 131 90 88. 88. 105. 88 2/ 31 8.4 4.3 102 • 1 102 111 114 4.5. 3.3 2.1 27 52 53 76 34. 1.25 2.9, 1.6, 36 36. 34 2 / 23 1.9 18 18 32 29 20 / 19 7 12 1.17 15 1./ 15 4 1-/ 13 1. / 11 1 1 1

No. Obs.

794

795

794

794

± 32 F

34.4

37.4

2 0 F

**PSYCHROMETRIC SUMMARY** 

2 794

90

90

CLEBAL CLIMATOLOGY BRANCH USAFETAC

55.438.5 6.2 .3

6950171

1005885

960231

73979

27621

26993

93.2 8.505

34.7 7.631

34.0 7.327

0-26-5 (OL A)

12

Element (X)

Rel. Hum

Dew Point

ALE WEATHER SERVICE/MAC

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIT WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

| 1 6877 | GRAFENWOHR AAF DL | 73-61 | YEARS | PAGE 1 | 2330-0550 | MOUNTH | PAGE 1 | 2330-0550 | MOUNTH | PAGE 1 | 2330-0550 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | PAGE 1 | MOUNTH | P

Temp.			T BULB TEMPERATU					TAL	TOTAL
(F)	0 1-2 3-4	5 - 6   7 - 8   9 - 1	0 11 - 12 13 - 14 15 -	16 17 - 18 19 - 20	0 21 - 22 23 - 2	4 25 - 26 27 - 28 29	. 30 . 31 D.B.	.W.B. Dry Buth	Wer Bulb Dew P
5- / 55	. 3 . 1	i i						3 3	•
4/ 53	3			_ <del>_</del>	<u> </u>	·		5. 5	5. 4.
12/ 51	.4 1.5 .1							16 16	
5 / 49	.1 .8 .1							8. 8	17.
6:1 47	.1 1.1 .4			Ī				13 13	12
4 / 45	.5 2.1 .1							22	
4/ 43	.9 1.5 .3			- <del></del> -				21 21	
2/ 41.	3.3 4.8 .5		· -+ ·		·			68. 68	1. 36. 4
4 / 3c	3.3 2.3 .4							47 47	61
3-/ 37	6.1: 4.29	_1		<b></b>		· · · · · · · · · · · · · · · · · · ·		89. 69	. 69. 1
7: / 35	4.7 3.9 .4			•				71 71	78 6
3 / 33	6 . 8 . 4 . 5 . 8					· · · · · · · · · · · · · · · · · · ·		96. 96	
· 2/ 31	5.6 4.7 .3							83 63	
7 / 29	5.9 3.9 .3		_ <del></del>					20 ع	l. 82
2 / 27.	7.2 1.8 .3							73 74	75 1
/ 25	1.4, 1.4	·						22 22	. 18.
2.1 53	3 • 3: • 8"							32 32	. 39 4
2/ 21	1.	· · · · · · · · · · · · · · · · · · ·						8. 9	L. 11 1
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TAL	54.940.0 4.8	• 3		+	<b></b>	·		793	
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Element (X)	2 x'	ZX	X Ta	No. Obs.		Mean No.	f Hours with To	mperature	
Rel. Hum.	6954679	73937	93.4 8.132	792	2 0 F	± 32 F ≥ 67 F	± 73 ₹ →	80 F - 93	F Teral
Dry Bulb	965590	26944	34.0 7.954	793		37.9			
Wet Bulb	923935	26361	33.3 7.670	792		40.6		<u> </u>	
Dew Paint	869983	25495	32.2 7.893	792		47.6			

GLEBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 6870 SRAFENHOHR AAF OL STATION NAME - NOT -PAGE 1 CASO-DAUC

WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | 0.8. W.B. Dry Builb Wet Builb Dew Po (F) - / 57. 44 53 2/ 51 1.3 .4 16 3 1 49 12. 4 / 47 •1 1•8° •1 •1 11 11 14 11 1.45 1.1 . -22---22-16-.4/ 43 .5 1.3 .5 18 21 41. 3.9.5.6...3 --80. -- 40. 51. 43 4 / 30 2.1 3.8 . 3 49 49 56 43 3-/ 37. 6.3.2.3. .5. 74. 74. . 22. 91 7 / 35 4.5 3.3 • 3 64 64 62 62 1\_33 115. 115. 124. 82 2/ 31 7.1 3.8 .5 174 91 91 157 1.29. 5.5. 4.6 82. 81. **41**. 5.0 2.5 .3 1 27 62 52 61 82 2. 1.3 26. 23. 34 26. 2-1 23 3.1 .6 36 52 33 2/ .21 \_\_&. / 19 12 12 15 12 10 -1.17 \_.4 1 / 15 • 1. 1 13 .3 1 / 11 • 1 1 55.539.3 4.1 1.0 ....798. 798 798 No. Obs. Element (X) Rel. Hum. 798 : 32 F 7209808 74510 93.4 8.135 Dry Bulb 976654 27212 34.1 7.818 798 37.3 90 Wet Bulb 33.4 7.487 32.3 7.665 934140 26642 798 39.7 90

798

46.9

EDITIONS OF THIS FORM ARE DISCUETE BEWILD RIS MOUS (OL A) 0.26.5 12

Dew Point

879859

SLOBAL CLIMATOLOGY BRANCH USAFETAC ALE WEATHER SERVICE/MAC

STATION STATION NAME

#### **PSYCHROMETRIC SUMMARY**

										PAGE		HOURS .	. S. T
Temp.		WE 5 - 6 7 - 8 9 - 10			E DEPRESSION		24:26 24 5	7 20 22	20 - 2:	TOTAL		TOTAL	
			9 : 11 - 12 : 13	1 - 14   15 - 1	6 17 - 18 19 - 20	21 - 22   23 -	24 25 - 26 7	17 - 28 24 ·	30 2 31			441 Buib L	- w -
/ 59	-1	• 1!				1				2	2		
		_•				···		•		2	- 2.		
5 / 55 .4/ 53	• 5									4	4	1	
- <del>4/ 33 </del> -2/ 51		<u> </u>			+				-	. <u>.</u> 20	3.		
	2 • 0 • 1 . 1 • 5. 1 • 2.	. 4								21	20 21.	6	
/ 47	3 •5 •4	1			<del></del>					<del></del>	41. 0	. 18. 19	
4 . / . 45	. 1 . 2 . 1 . 5 6.									. 26.	-	-	
4/ 43	1.1 2.5 1.1			- · ·			*			37	25. 27	29	
2/ 41.		,								. 121		-	
4 / 39	3.6 5.7 1.1	3								<u>1.1.</u>	121. Sá	71. 42	
3 / 37	4.3 3.1 1.1									. 7 <u>0</u> .	7Q.	-	
3 / 31	4.6 6.7 .9	• 1			<u></u>			-	•	. ! U	1⊈. 93	. <u>73.</u> 76	
3 / 37 3: / 33.											110.	112.	
2/ 31	6.4.4.3 .6	<u>-•1</u>			·					90	93	142	1
7 29	2.1 3.6									46	46	50.	
1 27	2.8: <b>2.</b> J					• • • • • •		•		38	<u>19</u> .	37	
/ 25	1.14.			4						12	12.	19.	
2 / 23	1.9 .6		*			•				20	50	17. 20	
2/ 21	• 3.									2.2		ت <u>.</u> 3.	
/ 15	•1 •1					•			<del></del>	2	4.	3	
1 17	7									. 2.	2	7	
1 / 15	• 3 • 1					<del>-</del>				3	- <del></del> -	. 2. 3	
/ 13	. 3									2	2	2	
1 / 11	• • • • • • • • • • • • • • • • • • • •										6.	<b></b> .	
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					:					141		191	
·			+						+	•			-
1													
					+	•						•	
	<del></del>		<del></del>		<del></del>								
Element (X)	2 x'	2 x	X DO 3	<b>*</b> ,	No. Obs.	105	s 32 F	e 67 F	# 73 F	M Temperatur			616
Dry Bulb	6556280	71880	90.2		797	: 0 F		* 67 F	* /3 4	* 80 P	- 93 1	· · · - · · · · ·	
Wet Bulb	1131597	29397	36.5		797		24.7						
	1031554	28180	35.4		797		32.1			+			
Dew Point	9484:13	26921	33.8	7.006	797		41.4						_

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USAFETAC FORM 0-26-5 (OL.A) WINSED MENOUS EDITIONS OF THIS FORM ARE OLSCILLED

SL	0.5	AL	CLIMA	TOLOGY	BRANCH
JS	65	ETA	0		
A I	٠	a E A	THER	SERVICE	/MAL

STATION STATION NAME

### **PSYCHROMETRIC SUMMARY**

3.4		STATION NAME											
										PAGE	1	1200	-145
Temp.	<del></del>	WI	T BULB T	EMPERATUR	E DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0 1-2 3-4	5 - 6 7 - 8 9 - 1	0 11 - 12	13 - 14   15 - 1	6 17 - 18:19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29	30 + 31	D.B. W.B. D	ry Bulb	Wet Bulb !	Dew P
/ 61		•1		-		: -							
7.59		13				1				1			
/ 57	•3 •3					•			•	· · · · · ·			
5_/ 55		• 3								-	6	-	
4/ 53	•5 •6	.4 .1 .	,			•				14	14		-
	1.38.		•								25.	-	
5 / 49	•3 1•3 1•9		·							34	34	- 14 26	
. / 47.	1.1.1.2												
4 / 45			1							66	<del> 1</del> -	<del>∡.a.</del> 42	· 2
	_1 3.6. 2.5		-									_	-
2/ 41	2.1 9.2 2.8	.8 .1	<del></del>						•	119	- <del>- 55</del> -	75	- · •
	1.3 4.1 1.8											_	-
3 / 37	3.4 5.0 1.3		-					<b>-</b>		<u></u>	 80	92	9
	2.9. 4.9. 4.1									96.	36.		7
3 / 33	2.5 4.8 1.1									67	67	170	7
	3.5. 3.4. 4										-	_	
/ 29					·					23	23	27	
2.1.27.	9 1 8 - 1											20	5
/ 25	•6		•							<del></del> 5	<del></del>	11	. 4 د د
	55									٥	. A.	5	-
2/ 21			-+		<del></del>					1	1		
											•	7	
1 / 17											• •	•	-
1.7.15.													
	2 - 647 - 921 - 5	7.5 1.8 .				•				•	797		79
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						•				+· +			
lement (X)	Z <sub>X</sub> '	Zx	<u> </u>		No. Obs.	<del></del>		Mean No. o	d Hours wit	h Temperatu			
lel. Hum.	5778683	67147	84.2	12.358	797	± 0 F	: 32 F	≥ 67 F	≥ 73 F	▶ 80 F	• 93 F	Т.	otal
bry Bulb	1300643			6.95C	797		13.2						9
fet Bulb	1167298	30094			797		19.0						9
lew Point	1020544	28314			797		33.8.			•	,		9

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI: WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

ESTI STATION	GRAFENWOHR A	AF DL STATION HAME			73-81			EARS				N.C.	<del>/ X</del>
										PAGE	1	1500-	17
Temp.					E DEPRESSION					TOTAL		TOTAL	
( <b>F</b> )	0 1-2 3-4 5	-6 7-8 9-1	0 11 - 12 13	1 - 14 <sub>1</sub> 15 - 1	6 17 - 18 19 - 2	21 - 22 23	- 24 25 - 26	27 - 28 29	. 30 * 31	D.B. W.B. D	ry Bulb	Wet Bulb !	Dew 9
/ 59	. 4		1							6	6		
<u>. / 57</u> .		.3						• • • • •			3.	-	-
5 / 55 4/ 53	.8 .9 1	•6 •1								7	7	3	
2/ 51	.6 .6	8 .4	-			<del></del>				<u>22</u>	22 19	. 4.	
c / 40	40 1 1 1 A	45:								13	33	15 18.	
/ 47	•1 1• 1 2•1	.4 .4						•		32	ىدىد 32	34	
4 / 45	1.1 3.4 2.0	6								57	. 57	. 49.	
4/ 43	.6 3.9 2.8		1 • 1							64	64	5.5	
2/ 41	2.3 8.4 2.5	. 9	1					<b>.</b>		. 113.	113	9.7.	
- / 39	.9 4.4 1.5	. 4				•			,	57	57	69	
3 - 1 - 37	5.2 3.3 1.3	• 5								. 81.	81	94.	
′ / 35	3.1 5.9 1.8	• 4								89	89	9.8	ı
3 / 33	3.7.5.9.1.4	•1,						····		<u> 83.</u>	83.		
2/ 31	3. 4.2 .4									60	60	94	1.
1 29	1.) 1.6 .3	<del>-</del>			•			• • .		23	25.	. 36.	
/ 25	.6 2.1 .5									26	26	16	•
^ / 23	.8 .4			<del></del>				•		<u>. 6.</u>	6.	18. A	
2/ 21	• 3 • 3			i						4.	,	5.	
/ 13	•1									1	1	3	
1 / 17													
1:/ 15	, ,			-									
/ 13				<del>i</del> -				<b></b>		+			_
TAL	22.947.725.4 6	7 1.8	5 • 1								797		7
	<del></del>									. 795.		. 795.	
İ													
					+			·		<del></del>			
1				ļ.	1								
				- +	+	+		<del></del>		<del></del>			
						1		. 1					
				******************	1			•					
				<u>i.</u>	1	<u> </u>							
lement (X)	z <sub>x'</sub>	Z X	X	· ,	No. Obs.		,		<del></del>	th Temperatu			
lel. Hum.	563J775	67389	84.81		795	± 0 F	± 32 F	≥ 67 F	e 73 F	- 80 F	+ 93 1	<u> </u>	otal
bry Bulb	1276379	31379	39.4		797	<del> </del>	14.9	+	<del> </del>	4			
Vet Bulb	1149291	29789	37.5		795	<del> </del>	20.4		<del> </del>	+	L		
les Paint	1307650	27766	34.9	5 9 3 9	795	.i	33.5	1	I	i		i	

-26-5 (OL.A) REVISE MEYIOUS EDITION

USAFETAC NOW 0.26-5 (OLA)

GLIBAL CLIMATOLOGY BRANCH USAFETAC AII WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

STATION STATION NAME -- W&-X PAGE 1 1836-300c

Temp.				EMPERATUR						TOTAL		TOTAL	
(F)	0 1-2 3-4 5	-6 7-8 9-10	11 - 12	13 - 14   15 - 1	6 17 - 18 19	- 20 21 - 22 2	3 - 24 25 - 26	27 - 28 29 -	30 - 31	0.B./W.B. D	ry Bulb 1	Vet Bulb (	ew Po
~ / 57	. 4									3	3		
5_/ 55.										<del>2-</del>			_
4/ 53	• 4 • 1	• 1.								5	5	6	
_21 51	<del>3, -81</del>	- <del></del>	·							10.	+=-	- 4.	
5 / 49	.4 .9 .5									14	14	13	
47.	8, 1.4.									18.	18-	<u>.</u> . <b>Q.</b> .	1
4/ 43	.8 4.0 .4 .3 2.8 .3	• 3								4.3	43	28	1
- 1/ 41	4.3 7.8 .9	3	· · · · · · ·							26_	26	42	3
4 / 79	3.5. 6.2. 1.1.	• 3								105	105	68	7
3 / 37	5.3 4.0 .3				. +					76	86- 76	<u>74.</u> 98	1. 7
. / 35	6.2. 3.5.	.1 .1								79	79.	96.	13
3./ 33	5.4 5.7 .8							+		94	94	85	7
-2/ 31	5.5.5.04.									88.	88.	108.	- &
7 70	3.2 3.3	•1				-				5.0	53	59	6
2 1 27.	2.6. 3.21.							<b></b>		48.	49.	39.	.1
/ 25	1. 1.1									17	17	24	2
2.1.23.	86	_ <del></del>								11-	11-	15.	2
2/ 21	•4 •5									7	7	8	1.
1 191	43							·		<b></b> 5.	5	7.	
1 / 17	• 1									1	1	3	1
11/15.					+			···				3.	
1 / 13	• 3				1					2	2	2	
1 / 11	<del></del>												· ·—-
	41.350.8 6.7										197.		70
<del></del>	414-13U40 BAL		- <del>-</del>		<del></del>					793	-1.X.L.	793	. 14.
				:						193		142	
				+						+			
· · · · · · · · · · · · · · · · · · ·		<u>i</u>						1		1			
		i	<u> </u>		<del></del>					·			
1		i				ì			1				
Element (X)	2 4'	- z x	Ŧ		No. Obs.	<del></del>		Mana Ma	<u> </u>	th Temperatu			
Rel. Hum.	6629751	72127		9.305	793	= 0 F	: 32 F	2 67 F	= 73 F	- 80 F	• 93 F	Ţ.	stat
Dry Bulb	1089269	28955		6.849	79.		26.6			+	<del></del> -	·	
Wet Bulb	1024624	28328		6.552	793		30.4			+		+	9
Dew Point	948837	26855		7.050	793		36.5			+	<del></del>	<del></del>	9

USAFETAC NOW 0-26-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

1 6973 GRAFENMOHR AAF DL

#### PSYCHROMETRIC SUMMARY

STATION				5	TATION N	AME							Y£	AR5				MON	TH
											_	_				PAGE	1	2130-	230
Temp.						WET	BULB 1	TEMPERA	TURE	DEPRESSION	(F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14 1	5 - 16	17 - 18 19 - 1	20 21 -	22 23 -	24 25 - 26	27 - 28 2	9 - 30 2 3	1 D.B./W.B.	ry Bulb	Wer Bulb I	Dew P
5.7.55	. ₹	. 3	•	-												4	4	2	
4/ 53		. 4	3	<b>5</b> .		. :		'			!				į	. 5	5	ū	
2/ 51	. 4	. 3			•							- :-				9	9	6	
5 / 49	. 1.	. 4	5	j				i i		1 1		- 1			1	. 8	8	7.	
-/ 47	• 5	. 5	. 9	)				-	1							15	15	12	1
4 / 45	. 4	2.9	8	L							1	_ :				32.	32		
44/ 43	• 5	2.0	. 3	5					- 1			-				22	22	32	- 2
27.41	3.5	6.7	4	la1	۱			<u>.                                    </u>								85.	a5		3
4 / 39	3.9	3.8	1.3	5						i						71	71	71	6
3:1 37	7.1	4.3	5	i												94	94	89	
/ 35	4.9	3.8	• 3	3				_	7	1					,	71	71	89	
3 / 33	6.8	5.0	. 4	L												97.	97	120.	
2/ 31	7.4	3.7	i							i						88	88	110	10
	3.7	2.9	<u>.                                    </u>													52.	5 <b>5</b>		
7 / 27	5. 3.	3.1	. 5	5												69	69	55	9
/ 25	2.4	1.3	1	L		·										30	30	35.	
23	1.6	. 9	!		,											20	20	26	
2/ 21	3,		<u>.</u>	·													2	8	1
/ 10	. 4	. 3						i								5	5	3	1
1 / 17	3							<b></b>								2.	2	4	
1// 15	. 4							i	i	i	1					3	3	3	
1 / 13		1	<b></b>	<b></b>	·						-					. 2.	2	2.	
1 / 11	. 4						:		1	1	1					3	3	3	
, / 3	- 4		<del>.</del>			·										3.	3.	3.	
·/ 7	• 3						;		!		1					2	. 2	2	
TAL	57.9	12.4	6 . 5	<u>1</u>	<b>.</b>			<u> </u>			_ <del>i_</del> -					-+	797		7.5
i							- 1			ı						794		794	
	+		+		<del></del>		i	<del></del>			-+				+	-+			
1					1			ļ	ŀ	1									
······	+		+		<del>+</del>	<del>`</del>					+	-	<del></del>			<del></del>			
					i	Î	!	1	1	,	1	į	i		:				
	+		<del></del>	A	<del> </del>	+			-+		<del></del> -					<del>-                                    </del>			
İ	i i		I		1		-	1	;			:							
Element (X)		x'			ZX		¥	·**		No. Obs.				Meen No	. of Hours	rith Temperatu	•		
Rel. Hum.		685	8313		734	93	92.6	A . 38	6	794	2	0 F	s 32 F	≥ 67 F	• 73 F	- 80 F	× 93 1	T	otel
Dry Bulb			9692		279			7.19		797			32.1						5
Wes Builb		96	9729		271		34.3	6.92	3	794			35.C						5
Dew Paint		90	8690	1	262	32	33.0	7.28	1	794	T		41.5						ç

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIL MEATHER SERVICE/MAC

1 687 GRAFENHOHR AAF DL 73-81 STATION NAME

## **PSYCHROMETRIC SUMMARY**

MONTH

<del></del> -													PAGE		HOURS	t. 3. f.
Temp.								RE DEPRESSION					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	- 10 11 -	12 13 - 14 15 -	16 17 - 18 19 - 2	21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 + 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
2/ 61	į			• C	- !		1	!		i i			1	1		
			1		1	.0.			<del></del>		ļ		13.	13		
-1 57		• Oi	• 2	. 1					1 1				17	17		
5 / 55		3	1	2			· · · · · · · · · · · · · · · · · · ·	<del></del>	1				35	35	12.	
4/ 53	. 1	. 3	. 4	• 2	• 3	. ni		• 1	1	1		i	66	66	38	1
52/ 51	2	1.0	- 4	3	- 1		·		·				123.	123	-	
5 / 49	. 2	1.0	. 9	. 1	. 1	7	1	:				•	146	146		•
4.7 47		_ 9.	8	- 2		_ n:					l		130	139		
41/ 45	. 8	2.6	. 8	• 2		• 0	;		7		:		286	286	209	21
4/ 43		2.5	1.7	1	- 1	-1:	-1						284.	-284		
-2/ 41	3.3	7.0	1.0	. 3	• 0	•0				1			739	739	493	4.8
4. / 39.	2.7	4.0	1.0	. 2		• •					i i		503.			
3 / 37	5.5	3.7	.8	.2									649	649	666	6
7 / 35	4.7	4.6	3.0	1	التم ا						1		664.	564		
3:/ 33	5.6	5.4	. 8					•			<del></del>		750	750		61
.21 31		4.2	. 3												867.	
1 29	3.4		• 1	.,				• • •						— <del>893</del>		
. / 27 2 <i>c.</i> / <b>27</b> .	3.6	2.2	- 3										417	191	-	50 <b>6</b> .
2./ 25	1.5	9	. 3						·							
24 <b>/ 23</b>	1.7	. 6	• 3										154	154	182	22
2/ 21							<del></del>				+		<del>- 148.</del>			21
/ 19	• 5	• 1		:									39	39		1
14/17	- 4								• • • -		•		36.	36.		
	• •	• 0											26	26		
		<del>- •</del>					+	<del></del>					+ 17.	1.7.		
14/ 13	• 2	• 1		4									14	14		3
1 11	4						+						12.	12		
' / 9)	• 1	• 0											9	9	•	
-//+											<del></del>		· 8.	8.		
1/ 5	• 2				1			į					. 13	13		:
			<u>-</u> -i								•		<del>2.</del>	2.	2.	
TAL	42.4	44.7	9.9	2 - 4	• 5	• 2	3	1			;		1	6371		636
		+					+	<del></del>			<del></del>		+ 6360		636C.	
}	į	1										;				
lement (X)		2 3'			ž X	T X	1 -	No. Obs.	<del>                                     </del>		Meen No. e	d Hours wil	h Temperati	JF0		
el. Hum.		5256	8460		57446	2 90-	310.346	6360	10 F	1 32 F	≥ 67 F	≥ 73 F	- 80 F	. 93 (	F   7	Tetal
ry Bulb			5709		23085		2 7.631	6371		221.1			<del></del>	+	-	7.
let Bulb			0802		22328			6360		254.5			<del> </del>	+		7
lew Point			8299		21317			6360	<del></del>	325.4	<del></del>		<del> </del>	+		72

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

1 687C GRAFENLOHR AAF DL

## **PSYCHROMETRIC SUMMARY**

DEC

STATION			STATION NAME						YE	ARS				MON	ITH
												PAGE	1	PODE:	<u>-92</u>
Temp.					TEMPERATU							TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4 5	-6 7-8 9-1	0 11 - 12	13 - 14 15 -	16 17 - 18 1	9 - 20 7	21 - 22 23 -	24 25 - 26	27 - 28 29	- 30   ≥ 31	D.B./W.B.	Dry Bulb	Wet Buib	Dew I
4/ 53		. 4	• 1									4	4		
-2/ 51		· · · · · · · · · · · · · · · · · · ·			<b>+</b> s -ss -r · -			!				. 2.	2	1	
5 / 49	• 3	5 .1										3	3	3	
4:/ 47	. 7	3 3.			t							9	<u> </u>	6.	hair -
46/ 45	1.1 1.8	3;				. 1						21	21	16	
4/ 43	61	? <u>.                                    </u>		<b></b>	r	<del></del>						9.	9.	_ 19.	
"2/ 41	2.2 1.5	3										29	29	21	
4 / 39	.7. 2.2										· ·	. 22	22.	17	
3./ 37	2.1 1.1	. 4										26	26	3 <b>3</b>	
	5.C 5.3				•	<del></del>						. 77.	77.	47.	
34/ 33			1									89	89	156	
<u> </u>	6.9 6.7		- <del></del>		·	<del></del>						. 97.	97.	123.	1
7 / 29	5.2 3.8											64	65	78	
2./ 27			<del></del>									. 71	71.	64.	
1 / 25	3.2 1.3											32	32	36	
2 / 23	2.7 1.3	*			<del></del>							. 28.	28,	26.	
2/ 21	2.5 .1				·							19	19	25	
7 / 19	2.5	<b>.</b>	+									. 22.	22.	19.	
1 / 17	3 • 1											22	22	26	
10/ 15	1.4		<del></del>		<del></del>	<del></del>						. 10.	10.	10.	_ :
1 / 13		•										14	14	13	
1 / 9	<u>. 4</u> . 4	·		+	<del>,</del>	+	<del></del>				+	<u>. 6.</u>		<u> </u>	
1 7	1	;			į	1	,					. 7	6	,	
(/ 5	1 4	<del></del>	· <del>- · · · · · ·</del>	-•	·	<del></del>					<del>- +</del>	+ 4+	—£+	3	
- / 3	3	1	i 1		. 1		1		1		'	. 7	•	3	
./ 1	.4	<del>+</del>			<del>  </del>	<del></del>						3	3	3	
/ -1	1.3				į	1				i		. 9	ý.	ő	
- / -3	. 4	<del>                                     </del>				+					<del></del>	+	3	3	
- / -5	. 6	1		1	į.				!	- 1	i	!		ű	
-11 -7		+		1								1			
TOTAL	61.336.1	2.1	. 4	į	i			İ		i	1	1	715.		7
							1					714		714	
Element (X)	z <sub>x</sub> ,	1	ZX	T	-	No. Obs.			<del>i</del>	Mean No. (	of Hours wil	th Temperati			
Rel. Hum.	632	21201	66937		8.024	71	4	2 0 F	± 32 F	≈ 67 F	= 73 F	# 80 F	+ 93 F	1	letel.
Dry Bulb		8647	21197		9.918	71		2.1	55.1					<del></del>	
Wet Bulb		9949	27765		9.625	71		2.1	58.0		1	1	T	1	
Dew Point	62	28750	19980		9.883	71		3.1	65.3		<u> </u>	1	7		

73-81

SECRAL CLIMATOLOGY BRANCH USAFETAC ATE HEATHER SERVICE/MAC

STATION STATION NAME

#### PSYCHROMETRIC SUMMARY

93

PAGE 1 0320-0500 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb Ver Bulb Dew Poin 27 51 .1 1 49 = - / 47 • 1. 3 3 3 / 45 1.9 44/ 43 . 4 8 8 23 17 2/ 41 26 26 1.3 2.0 4 / 37 17 271 25 33. / 35 | 2.7 3.9 53 5.3 31 31 3 / 33 6.6 4.9 88. 95 2/ 31 7.3 5.4 94 94 98 112 1 29 4.4 4.5 67. 73. 78 7.2. 2 / 27 13.8 1.3 114 114 108 141 1 25 3-1 1-7 36. 36. 38 42 24/ 23 4.1 1.1 39 38 41 2.1 21. 23 / 19 2.1 19 19 16 20 12.7 17 2.4 1 / 15 1.5 11 11 13 11 20 1 / 11 .7 5 5 5 1 2 -3 1.6 12 12 12 7 4/ 3 . / -1 1.1 10 8 --/ -5 ~!/ -I 753 753 753 Element (X) Na. Obs. Mean No. of Hours with Temperature Rel. Hum. 753 95.0 6.757 663034B 71536 Dry Bulb 710582 21882 28.910.113 756 60.0 93 Wet Bulb 685789 21465 28.5 9.914 753 2.5 62.7

58.7

₹ õ 12

Dew Point

651893

20811

27.610.101

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF REATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 6870 GRAFENWOHR AAF DL 73-81 YEARS DEC MONTH

PAGE 1 0600-0800 ...

Temp.				,		WET	BULB	TEMPE	RATURE	DEPRESS	ion (F	1				TOTAL		TOTAL	
(F)	0	i - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18 19	- 20	21 - 22 23	24 25 - 26	27 - 28 29	- 30 - 31	D.B./W.B.	ry Bulb	Wet Bulb I	Dew I
5 / 47	• 1	. 6	Ì		,		1		1	1						6	6	3	
4:/ 47	6	. 6			<u> </u>			<u> </u>	·	L					<del></del>	. 10.	10,	8.	
4-/ 45	1 - 7	1.4	. 4	)	1 .			,		İ						2 <b>7</b>	27	18	
4/ 43	1.3	6	3	L					·							. 17.	17.	24.	
02/ 41	2.4	. 5	,}				i	i		1		,				23	23	26	
4 / 39	ان ء 2	1.1	4	<u> </u>	<del></del>		:	<u> </u>		·				<del></del>		. 25.	25.	23.	
3 / 37	1 • 4	1.5	i				į									23	23	20	
1 35	2.6	4.5	·				<u> </u>	1	<b>.</b>							. 55.	55.	43.	
3./ 33	5.5	4.	. 1	Ľ	:											75	75	78	!
2/ 31	6.9	6.9	3	<u>.                                    </u>				·								113.	110.	122.	!
1 / 23	5.9	6.3			i		•					i	1			95	95	101	10
2.1.21	1 .0	1.7	· 				<u>.</u>		1	+ <u>-</u>				: +	_ :	91.	91.	. 92.	_1.
/ 25	3.4	. 8														33	33	33	
2./ 23	5.2	1.1			<b>.</b>			<b>-</b>		·						48.	48.	46.	
2/ 21	2.7	. 3												, –		23	23	25	
/ 10	1.3	. 4	1	<b>.</b>	<b>.</b>			÷		·						13	13.	12.	
1 / 17	1.4		Ţ							!						11	11	14	
1(/ 15.	1.8	. 5	L						Ĺ	<b></b>				•		18.	18.	18	
19/ 13	2.2	• 1			:											18	18	18	
1 / 11	1.	. 1	4				i		i							. 9	9.	9	
: / 3	1.3	. 3						i	. —		1	,				12	12	10	
./ 7	. 9		<u> </u>				!	<u> </u>	i	<u> </u>						7.	7.	9.	
/ 5	. 9			-				,		1				,	,	7	7	7	
4/ 3	. 8							1	<u> </u>					4		6.	6	. 6.	
/ 1	. 4				, ,			;	:				-			3	3	3	
/ -1	1.3		L		1		1	· 	<u> </u>	<u> </u>			· 	L		8	. 8.	8	
- / -3	. 1		_					1	[	: [	Ţ		1	ļ		1	1	1	
-4/ -5	5		<u> </u>		<u> </u>		1	<u> </u>	<u> </u>					<u> </u>		4	4.	4.	
- / -7	. 3							[			-T	1		1	1	2	2	2	
-:/ -9	4		Ĺ	<u> </u>	<u>.</u> i				L					<u> </u>	<u> </u>	<u> </u>	3	3.	
-1 /-11			!	-	1		:	!							1				-
-1./-17	1		<u> </u>	<u> </u>	نـــــــــــــــــــــــــــــــــــــ			<u> </u>	<u> </u>										
	65.6	33.3	1.	>				1	,							1	783		7
				1	نــــــــــــــــــــــــــــــــــــــ		1	<u> </u>	<u>i                                     </u>	li_	!				_1_	783		783	
Element (X)		Z X'			ZX		T	•,		No. Obs.				Meen Ne.	of Hours w	ish Temperatu	70		
Rel. Hum.		708	4165	3	742	93	94.5	6.6	96	78	3	1 0 F	s 32 F	≥ 67 F	≥ 73 F	■ 80 F	≥ 93 F	7	otal
Dry Bulb			4571		225			10.3		78		2.1	62.			1		Ī	
Wet Bulb			1761		222			10.1		78		2.1	64.5	<del></del>					
Dew Point			7641		215			510.3		78		2.9				<del> </del>			

SLOBAL CLIMATOLOGY BRANCH USAFETAC ATA REATHER SERVICE/MAC

1 6870 GRAFENHOHR AAF DI STATION NAME

#### **PSYCHROMETRIC SUMMARY**

JOE F

														_		PAGE	1	HOURS	113
Temp.										DEPRESSION						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14 1	5 - 16	17 - 18 19 - 2	0 21 - 22 23	- 24 2	5 - 26	27 - 28 29	- 30 + 31	D.B./W.B. [	Dry Bulb	Wet Bulb	Dew Po
2/ 51		. 5								:	1					4	4		
5 / 43	-1					<del></del>				+	<del></del>							•	
/ 47	• 5	1				Į				!	1					14	14	6	
4.7.45	_2.5		<del>6</del>	•	+	-				•	+					34-	34		_
4/ 43	. 8 1.8					i i				i						14	14	20	1
2/ 41 4 / 39		1.4								<del></del>	*					- 24.	24 37		2
37. 3.:/ 37.	7.4									:						30 - 35	3.7		2
/ 35		4.5			+		1				+					62	62	- <del>- 34</del> - 54	4
3 / 33		4.2														76	76		
2/ 31		7.1	.1			,			•				-		<del></del>	114	114	136	9
1 23		7.1					· · · · ·			-						. 102.	102		, ,
1 / 27	7.8	2.0	. 4		1	•				1						83	80	78	12
· / 25	_3.3	1.3	3			· 	+			+					+	. 38.	38	37.	5
25/ 23:	4.3	1.5								:						46	46	44	5
2/ 21	1.5			-	•					· +						. 18.	18	22.	2
7 19	1.7					i										12	12	14	1
1./ 17	1.8	,				•				<del></del>						20.	20		1
1:/ 15	1.1															10	10	13	1
13	1-5			<del></del>	<del></del>	<del></del>	+			<del>                                     </del>						15.	15	16.	
1 / 11	•6					i	i									6	6	6	1
1 / 9	9						+	<del></del>		<del> </del>	<del></del>				+		—— <del>7</del> 5	<u> </u>	1
./ 7	• 5	• 1					1	1		1			1				•	4	
. / 3				•	<del></del>		<del></del> -			<del></del>	<del></del>					5			
, 1	•6	1			i	į	1 1			ļ	i i	:				. 3	,	2	
/ -1	.1						+			+	+					1		· <u>4</u> .	
- / -3	. 3				1		i,	i			!	1	i				2		
-4/ -5	. 3				<u> </u>											2	2	2	
/7					•	<b></b>	1				<u> </u>					<u>         i                           </u>	i	<u>i</u> .	
11/-17		1			:			:		1							_		
CTAL		38.3	3.9	1	<b></b>		11			<b></b>	<u> </u>					<u> </u>	786	· · · · · · · · · · · · · · · · · · ·	- 76
				 	i	1		. :				•	,			786		7 5	
lement (X)		Zg'	_		ZX	Т	X	· · · · · ·	$\overline{1}$	No. Obs.	1			Meen No.	of Hours wi	th Temperate	/10		
lel. Hum.		688	2966		732	72	93.2	8.17	4	786	5 0 F	1 1	32 F	≥ 67 F	■ 73 F	▶ 80 F	- 93	F	Tetal
bry Bulb			3436		239	26	30.4	9.10	8	786		7 5	7.9						9
Not Bulb			1828		234	52	29.8	8.89	3	786		7 6	1.3			<u> </u>			9
Dew Point		71	2875		225		28.6	9.31	Ω	786		9 6	6.4				1		. 9

C NOBM 0-26-5 (O) A) REVISE MENIOUS RETIDENS OF THIS FORM

CLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

STATION	<u> </u>	AFEN	≝0HR	AAF	DL TATION NA	ME				7 <u>3-</u>	81			- Y	EARS					DE	<del>.c</del>
																		PAGE	1	1270-	140
Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 2	4 25 - 26	27 - 28	29 - 30	a 31	D.B./W.B.	bry Buib	Wet Bulb	Dew Po
4/ 53			3		,					; ;				1	1			2	2		
2/ 51		6	. 4		1		+	· 		<del></del>					<u> </u>	<del></del>	<del></del>	+9,	9		
5 / 49	- 1	• 3		• 1						1								7	7	•	
· / 47	- 6	6	- 5		<del></del>		+	<b></b>		+					+	+	<del>-</del>	- 14,	14	12.	
4-/ 45	1.8	1.5	.9		į													33	33		2
12/ 41	1.7	2.9		. 4	<del> </del>		<del></del>	<del></del>		+							+	2C. 50	20 50		
0 / 39	1.8	4.6	.8				:			,								. 56.	50 56		3
31/37	2.2	2.8			<del></del>		•	+ <del>-</del>		+					<del></del>		•	61	61		3
35	2.7	5.1	2.1	• •				<u>.</u> .										77	77		6
3-/ 33	3.8	5.9		·	!		!	++					-		<del></del>			79	79		<u>5</u>
2/ 31	5.1	8.3			1 1					:								105	105		B
, / 29	3.8	4.6	. 4	• 1												+	<del></del>	70	70		9
2 / 27	5.4	4.0	,	:				į į						1				87.	87		. 11
/ 25	2.2	1.3	.1							.,					,			28	28	44	5
24/ 23	1.2	1.3	• 3					<u>         i                           </u>		<u>.</u>								21.	21	27.	3
2/ 21	1.2	1.4						1		1								20	20	17	2
1 12	1.5	. 4					<u>i</u>			+							+	. 15.	15	25.	1
1-/ 17	. 8	• 1			1													· 7	7	10	1
1:/ 15	. 4	. 6					<del>-</del>			<del>-</del>					•		+	<u> </u>	B	. 5.	2
14/ 13	- 4	į	• 1				1	! :		1								4	4	6	1
1 / 11	. 1	1					<del></del>	<del></del>		<del>├</del>				•			+	<u> 2</u> ;	2	2.	
' / 9	• 3							1 1									1	2	2	3	
-1 1	1							<del></del>		<del> </del>				┷—	<del></del>	+	+	<del> </del>		<u> </u>	
-/ 5	• 3				1		:								i			2	2	2	
- 1 3					<del>  </del>		+	<del>  </del>		+ -		L		+		<del>├</del>	+	+		····	
/ -1	37.9				. !		:			1					1				780		78
ICIAL	3107	70.1	1691	1.3	1			1		1				•	<del>}</del>	<del> </del>	+	780	100	780	
	1				!		1			i !								, 60		199	
					+		<del>-</del>			1				!	1		+	1		•	
1				· L	[ .			1				į			1			1 1			
																	T				
Element (X)		2 x'			Z <sub>X</sub>		¥	-	-	No. Ob	. 1			1	Maga	No. of 4	j James 2-1	th Temperete			
Rel. Hum.			8506		692	16		10.5	21		60	1 0 F	$\top$	s 32 F	E 67		• 73 F	= 80 F	» 93 1	FT	erel
Dry Bulb			1741		259		33.3				80		+-	44.4	+	-		1	1	+	9
Wet Bulb			1630		251		32.2				80		+	50.2				1	<del>                                     </del>		9
Dow Paint			3281		235		30.2				80		2	60.2				+	1		9:

USAFETAC NOW 0.26-5 (OL A)

GLCBAL CLIMATOLOGY BRANCH JCFFETAC AIR MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 687 GRAFENHOHR AAF DL STATION NAME

- -<del>164-2</del>----

PAGE 1 1500=170C

Temp.							RE DEPRESSION					TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8 9 -	10 11 - 12	13 - 14 15 -	16 17 - 18 19 - 1	20 21 - 22 23	3 - 24 25 - 26	27 - 28 29	- 30   + 31	D.B./W.B. D	ry Bulb W	let Bulb D	New Po
4/ 53	-	.1				:						1	1		
2/ 51								1 '				. 1.	1		
5 / 49	. 5.	3 .3										8	А.	7	
1. / 47	1 1 1											. 13.	13.		
4 / 45												35	35	33	2 0
4/ 43	9 1.											. 23.	23.	_ <del>2</del> .	_
-2/ 41	2.6 3.	-:			:							5.4	54	36	31
u / 39	1.9 2.	_										<u> </u>	41.	46.	- 31
3 / 37	2.1 3.2	1.5	. 3									5.5	55	38	31
7 35	3.0 4.0											6.3	63.	56.	. 44
3 / 33			1								<del></del>	98	98	100	6
	4.7 9.										_	153	153.	147.	7.5
. / 23.			• 1				1					73	73	75	8
2.1.27	6.7: 4.											91	91.	. 81.	130
21/ 25	.9 1.	7 .4									<b>-</b>	2.3	23	24	5
2 / 23	.5 2 .											20.	2n.	21.	35
2/ 21	1.8 1.		i									24	24	28	1
-/ 14.	2.2	-		_ :	:	1_						. 22	20.	<b>. 26</b>	2
1-/ 17	.8	6										11	11	13	22
1-/ 15.	5	-				i		i			-1-	A		<b>a</b> .	20
1 / 13	.1	5		•							•	5	5	5	13
1 / 11	-3	-			·	i						. 3.	3	<u>.</u>	- 7
. / 9	.1	1		,								2	2	2	
7	.1							_ i				i.	1.	2.	
. / 5		1													
		Ĺ	:			1	_								
/ -1		Ī		Ī	T I	1				i			•		
1 -3		<u> </u>		i			ii	:							
STAL	47.250.	9 8.0	. 9	i							- T		776		77
		1			1			i				776.		776.	
		7										!			
i		<u></u>				··········		_لل			<u> </u>	1			
$\exists$	!			-						i	Ī			_	
Element (X)	z,	4		ž <sub>X</sub>	<del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del>		Kr. Obs.	1		Mean No. 6	of Hours wi	th Temperatur	•	·	
Rel. Hum.	63	18311		69597	89.7	9.927	776	2 0 F	± 32 F	≥ 67 F	≥ 73 F	■ 80 F	• 93 F	Te	tel
Dry Bulb		81341		25489		7.545	776	·	46.0			<del></del>		<del>-</del>	9.
Wet Bulb		30667		24735		7.383	776		52.3			<del></del>		1	9
Dew Point		52841		23307		8.256	776					+		+	9

USAFETAC NOW 0-26-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 6970 GRAFENWOHR AAF DL 73-81 DEC MONTH

PAGE 1 1800-2000 HOURS (L. S. T.)

Temp.						WET	BULB	TEMPER	ATUR	EDEPRE	SZION	(F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	- 24 25 -	26 2	27 - 28 29	- 30   = 3	D.B./W.B.	ry Bulb	Wer Bulb (	Dew Po
2/ 51	Ī	. 4			7					i		1		í	6.		3	3	_	
5 / 40			. 4	.1								· · · · ·					4.	4.	3.	
47	. 1									:		1					1	1	1	
4 / 45	3.1	1.8																38.	30,	21
4/ 43	. 9	1.0															15	15	21	1
12/ 41	1.4	3.1	•1		_						•							36	18	2
4 / 39	2.5	1.6								i	'						31	31	42	3
3:/ 37:				1.	<b>.</b>		4	4	•	+	<b>-</b>	·					37.	37.	31.	3
3-7-35	2.9	3.9	. 4	• 1													56	56	43	3
3 / 33								<u>.</u>	•	<del>-</del>					- · <del></del>		95.	9.5.	92.	_ 6
2/ 31	5 . 8	8.3															107	137	140	ç
7 / 29				:			·	+									69.	69.	. 56.	9
2.1 27			. 4								,						90	90	86	11.
~·/ 25										<b></b>							33.	38.		_ 4
21 / 23 i	2 • 4	2.0		•													3 3	33	28	5
2/ 21;		• 7			i			1		<b></b>	·						18.	18.	. 22.	_2
/ 19	2.4	• 3		,					:								20	20		2
1-/ 17		1.0															. 22.	22	23_	2
1 / 15	• 3	. 8						i	!								13	13		1
1 / 13	. 7	.7	-				+	+	-								10	10		
1. / 11	- 4	• 1							!								4	4	5	1
1/?	- 8	. 4						<del></del>			+	+		+			9.	<u> </u>	6.	
./ 7	• 5	• 3						1	1	1	Į.			- !			6	6	7	
/ 5	.7							+			L	<del></del>		+			5,	5.	1.	1
./ 3	- 3			i						i	1						2	2	2	
- / 1+	• 1							+		<b>↓</b>		<del> </del>	<del></del> -	-+				1.	<b>_1.</b> _	
/ -1					- 1						į				1					
- / -3			-				<del></del>	+		+		<del></del>	+	-+		+-	+			
CTAL	54.94	3.1	1.6	• 4	i			1		Ì	1					1	i	763		76
			<del>-</del> i		i		<del></del>	+	<b></b>	<b>∔</b> -	-	+	+	+	· · · · · · ·		763.		763.	
}	:		1	ļ			!	1		-		1	1	-	:	1				
+			+		+		<del> </del>	<del> </del>		+		+					+		•	
	j		1	1	,		1	1 .		1	i									
Element (X)		; = '		<u>}</u>	E g		X	•	-	No. Ol	8.	<u> </u>			Meen No.	of Hours	with Temperate	<del>**</del>		-
Rel. Hum.			0858		706	8.8		8.2		7	63	10 F	# 32		≥ 67 F	~		e 93 f	T	otel
Dry Bulb			5089		234			8.5			63		54			1	1	1	1	9
Wet Bulb			4171		229			8.3			63		58			<del>                                     </del>		<del>                                     </del>		9
Dew Point			3441		219			9.0			63					<b>†</b>	1		<del></del>	9

USAFETAC FORM 0-26-5 (OL.A) REVISED MENIOUS SERIORS OF THIS FORM ARE OSCOLETE

SLORAL CLIMATOLOGY BRANCH USAFETAC Alk Weather Service/Mac

STATION STATION NAME

#### **PSYCHROMETRIC SUMMARY**

- <del>1855</del> - <del>1855</del>

93

93

19

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B. W.B. Dry Bulb Wer Bulb Dew Por -/ 53 -/ 51 5 / 4. 2 1 47 4 / 45 1.1 2.4 25 25 13 4/ 43 15. 26. 2/ 41 2.1 1.5 26 27 26 22 4 / 39 1.4 2.5 -28-28. 3 / 37 2.8 1.7 .1 3.3 33 38 35 35: 3.1 5.3 3./ 33 6.8 5.3 97 37 93 63 97. 116 93 " / 29 5.0 3.9 .1 55 65 83 66 1 27 7.8 3.1 .1 79. 79. 78. 9.2 2 / 25 3.9 33 46 21/ 23 3.6. 1.5. \_ .37. ...37. 32. 48 2/ 21 1.2 18 20 18 26 19. 19. 18 1-/ 17 1.8 .6 17 17 13 18 9. 9... 1 / 13 1.5 .4 13 14 14 12 1.7 - 11-64 -44 Z. .\_7. 1 . 8: • 3 15 15 12 5 1 7 1 + 5 3 6. 9 - / -3 / -5 1 TOTAL 52.840.0 .8 • 1 . 3 727 720

No. Obs.

720

720

720

720

: 32 F

59.4

65.9

1.2 56.1

93.3 7.807

21443 29.8 9.517

21033 29.2 9.277 20167 28.0 9.684

67144

FETAC 10m 0-26-5 (OLA) HYSE MEYOUS EDITOR

Element (X)

6305372

703735

676337

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Paint

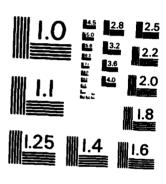
GLCBAL CLIMATOLOGY BRANCH USAFETAC AI: KEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

													HOURS	
Temp. (F)	··					URE DEPRESSION					TOTAL		TOTAL	_
	0 1-2 3			10 11 - 12	13 - 14 15	- 16 17 - 18 19 -	20   21 - 22   23	. 24 25 . 26	27 - 28 2	7 30 * 3	31 0.8. 7.8. 0	/ry Bulb	Wer Bulb !	Э•
4/ 53	• €	• 1	• 7								9	9		
151.	<u>2</u> _	_1	•1.	··· • · - ·			·				23.	23.	3.	
5 / 42	•1 •3	.2 .1									4.0	4 ~	7.3	
. / 47	_ 4. 4.	_ • 3							- •		6.9	69.		
4 / 45	?•: 1•7	• 4									245	245	194	
4/ 43	<u>. 8, 1. )</u>						· · - · · · · · · · · · · · · · · · · ·				121	. 121.	176.	
-2/ 41	7.1 1.9	•4 •1									268	268	194	
<u> </u>	1.7.2.2	_3			•						<u>. 258</u> .	_258.	2.	
3 / 37	2.2.1	.6 .1									296	296	2 9 7	
/ 35.	3.1, 4.5	6		· · · · ·						• • •	523.	523.	374.	
3 / 33	5.9 5.2	• 2									687	687	741	
	6 . 1 7 . 4 .	. • 3	- •							•	. 227.	827	1315.	
1 2)	4.7 5.2	•1 •?									605	6.79	641	
21 27.		•4. <u>• 7.</u>	- · •	•	• •		•	• •	· - •		. 723.	7.23	645.	
24/ 25	.9 1.3	•1									261	25.	294	
<u> </u>	3. 1.5	• 2.			<b>-</b>		- ·			•	272.	272.	262	
2/ 21	1.9 .4	٠٦									156	156	150	
$\frac{7}{1} \frac{13}{17}$			•								140	140.	156.	
											134	134	149	
$\frac{1}{1}$ / $\frac{15}{17}$ .	1.2 .4	<u> </u>			• +			- • •		•	. 57.	07		
1 / 11	•5, • <b>2</b> ,	• "									93	93 42	93 44	
<u> </u>	• <del>5</del> • £ · · 1				•	· • · -					. 42. es	%.≼ 55		
, <del>,</del> , , , , , , , , , , , , , , , , ,											47.		52 51.	
/	.71	·			+						25	. 47.		
./ 3.	3										. 21.	.21.	28 22.	
/ 1	• 3.				·	· · · · · · · · · · · · · · · · · · ·	·			- • •	19	19	19	
/ -1	• 3 <sub>1</sub>										32.	32.	32.	
- / -3	• 2			· ·					<del></del>		13	12.	10	
- / -5	3										18.	. 18.	18.	
- 1/ -7			•		<del></del>				•	• -	<u>la</u> .	. 15.	10. 6	
/ -9	• •										. 3	_ 3.	3.	
- : /-11	<del></del>	<del></del>			+		• • •					_ 2.	٦.	
-1./-17														
Element (X)	2 x '	Z x	<del></del> !	Ŧ	•	Po. Obs.	1		Mean No.	of Hours	with Temperatu	10		
Rel. Hum.	<del></del>				<del></del> -		: 0 F	: 32 F	≥ 67 F			- + 93 F	Ť	
Dry Bulb		<u> </u>			<del>-</del>	<del></del>	+	<del></del>				•	•	
Wet Bulb					+		<del>+</del>	<del></del> -		-+		·	- •	
Dew Point	<del></del>	<del></del>			+	+	<del></del>	+		+				-

1 0377 GRAFENWOHR AAF OL 73-81 VEARS NORTH

	AD-A122 717	GRAFENWOHR AAF GERMANY (WEST) REVISED UNIFORM SUMMARY OF SUMFACE WEATHER (U) AIR FORCE ENVIRONMENTAL	
	UNCLASSIFIED	TECHNICAL APPLICATIONS CENTER SCOTT A 03 SEP 82 USAFETAC/DS-82/082 SBI-AD-E880 210 F/Q 4/2 NL	
		END 041 1940 2 83 014	
٠	_		,



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AT- WEATHER SERVICE/MAC STATION STATION NAME WET BULB TEMPERATURE DEPRESSION (F) 0 1 - 2 - 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | + 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin STAL REVISED RELYIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0-26-5 (OL A) 12 Element (X) No. Obs. ± 32 F Rel. Hum. 6075 Dry Bulb 6209142 185952 30.6 9.259 6079 8 4 435 7 744 8.5 967.D 3.D 519.9 181782 Wet Bulb 5932072 29.9 9.006 6075 744 5513015 173847

GLOBAL CLIMATOLOGY BRANCH USAFETAC ALA WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 6877 STATION	GRAFENI	OHR AAF	DL TATION NAI	ME				73-E	11			YEA	RS				·	LL
															PAG	E 1	HOURS	LL 1.15. 7.5
Temp.									SION (F						TOTAL		TOTAL	
(F)	0 1-2	3 - 4 - 5 - 6	7 - 8	9 - 10 1	1 - 12 1	3 - 14 1	5 - 16	7 - 18	19 - 20 2	1 - 22 2	3 - 24 2	5 - 26 2	7 - 28 2	9 - 30   • 3	D.B./W.B.	Dry Bulb	Wel Bulb	Dew Poin
/ 03			1				!	:	1	1	• O ;	;	• 7	• C	4	4		
/ 91											<u> </u>	<u> </u>	<u>-£</u> .				•	
6/87					_	•0 •0	<b>.</b> Ω.	•0	•0	• ť	• D	• D.	• 7	• 0	3 D 4 9	30 49		
6/ 85			++	• ?	-	<b>≜</b> ₩,_	• 0	- AU. - D		• 0.	• 0.	• D:	<u></u>		96	96		•
1 83						n	0:	•0	. 1	-0	• 0.	• D.	- n		164	164		
- / 91			• 0	• 0	• 0	•1	• 1	.1	• 1	.1	• 0				426	426	•	•
			a.	<u>. D.</u>	. D.		. 1.	-1	.1.	n.	a D.				338	338		
7 / 77	. —	• 0		. 1	• 2	• 2	• 2	• 2	• 1	• 0	.0	. 0			782	782	1	
5/ 75				1,_	• 2.	2.	. 2.	1.	•0,	<u>.C.</u>					670	670	9	
4/ 73.		.0 .1		• 2	• 3	• 2	• 1	. 1	• 0						798	798	12	_
71		.0 .1	<u>•1</u> .	. 2	- 4,	. 2.		<u>•0,</u>	<u>. 0.</u>	0.					938	938		
7 / 69	• 11	.1 .1		. 3	• 3	( j	• 1	• 01	•0						988	988	117	17
6/67	• • • • • • • • • • • • • • • • • • •	•2 •2	. 4	. 4	• 2	•4.	. O.	• D.	0_							1275	325	
4/ 63	- 12 - 44	.6 .7		• 6	. 4	• 2	- 1.5	•0.	• u						1413 2704	2706	715 1327	98 342
3/ 61	.1 .5	.5 .5		• 3	• 2	•1	• 7	•0								1992		533
/ 59	5. 1.3	.98	. 7	. 4	. 3	1	0.	•0							3807	SAGA		1766
1 / 57	.5. 1.0	.7 .6	• 3	• 2	.1	• 0	.0								2695	2695	3605	2080
5 / 55	.7 1.2	.8 .6	3	• 2.	•1	. 9									2955	2955	3520	2702
4/ 53	.8 1.5	.8 .5	• 3	• 1	٠,٦	• 0	.0						•		3154	3154	3871	3278
7/ 51	.8, 1.7	.73	• 2,	.1.	• C;	<u>•\$:</u>									3021	3021	4104	3355
£0/ 49	1. 1.9	• 9 • 3		• 1	• €	• ℃	i	1	:						3376	3376	4083	4294
1 47	. 6 1 . 4	.73		-1	<u> </u>		-+	<del>`</del>							+ 2651	2651.		<u>. 3969</u>
4: / 45:	1.3 2.6	.9 .5	• 2	• 1	• ]		1	:	:							4338	3970	5721
2/ 41	9 1.6				-	<del></del>	+	+							2618	2618	. 5769	. <u>3581</u>
2/ 41	1.9 3.0	.7' .2	• 1	• C.	• 0	- 1		:							4803 3263	4803	3838	5541 3985
3 / 37	2.1 1.7	•5  •2		U.	-			+	· · · · · · · · · · · · · · · · · · ·			+			3468	3468	3938	<u>. 2782</u> 4940
76/ 35	1.8 2.4	.61	-3		- 1		-								•	3779		
3-/ 33	2.7 2.4	.3 .0		•	1			1								4242		
2/ 31	3.1 2.6	3				: 	i		·	i_			i_			4562		5536
7 / 29	1.8 2.1	.1 .0		i			Ţ							-	3084	3096	3327	4052
2:/ 27	2.8 1.5	. 2 . 0		<u> </u>		. 1											3390	5058
Element (X)	Σχ'		ZX	3	1	·,_	$\perp$	No. Obe			,				ith Tomperet			
Rel. Hum.										10F	1 3	2 F	≥ 67 F	± 73 F	- 80 F	+ 93 (	F +	Total
Dry Bulb		<del></del>					+		-+	···-	+			<del></del>		+	<del></del>	
Wet Bulb Dew Paint							+		-+-		+				<del></del>	<del></del>	-+	
Dew Felmi					-													

USAFETAC NOW 0.26-5 (OL.A) REVISIO REVIOUS TOTIONES OF THIS FORM ARE OMSOLITE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR \*EATHER SERVICE/MAC

USAFETAC NOW 0-26-5 (OLA)

1 687: GRAFENHOHR AAF DL STATION HAME

## PSYCHROMETRIC SUMMARY

- Molecular --

																		PAGE	7	HOURS	<u>E.</u> ₩. 107
Temp.							BULB							,				TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	÷ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
1 / 25	1.2	• 6	) • C	1						i	İ							1458	1458	1743	244
2-/-23+	1.1		5	<b>.</b>		<del></del>		-		•	<del></del>	Ļ			•			1297.			
2/ 21	• 5																	538	538	727	108
19					<b>+</b>	•		•	+		<del></del>	•		•	•			477	478	<u>5</u> .ç.7.	. 42
1-/ 17	. 4	• 1																385	385	463	61
1./ 15.	3		ا م		<del></del> -		+		•	•	+	•		•		+		283.	283	293	. 47
-/ 13	. 3	• 1																283	280	282	42
1-/-11+	+2			<u> </u>	•	•	<b>.</b> — .			•				<b></b>				156-	156	159	25
. / 9	• 2	• 0																198	198	193	27
_/_7;	1			•	<del>-</del>		+	·			+					+		121	121		- 13
· / 5	• 2	• ~	•															126	126	130	16
			··	•—-	•		<del>-</del>		•		•			+				85.	- 85.	. 95.	. 8.
/ 1	• 1																	ა5	65	65	7
	+1.		l	•	•	<b>-</b>	•			<b></b>		·						76-	76.		. 12
- / -3	• :																	22	22	24	4
/5-			•	<del></del>	·	<del></del>		<b></b>	•	•				+		+		32.	33.	. 32.	2
/ -7	• 1								:									15	15	15	2
/ -9.		-			•		+			+	•	•		٠				11.	- 11.	11.	1.
/-11																					•
1/-13.				•	•	•	•			,				•							
1-/-15											1										
1-1-17.			•	*	·	<b>-</b> —		<del></del>		<del></del>						+				<b>.</b> .	
CTAL	3 . 3	34.4	12.0	6.8	5.0	4.1	. 2.9	1.8	1.2	• 7	. 4	• 2	- 1	• 0	•0	• 0	• ~		7598		7757
			+	•		•			<del></del>	<del></del>		•		<del></del>				77576.	<b>:</b>	77576.	
<del></del>				•		<del> </del>	<b></b>			<del></del>	+	<u> </u>		<b>└</b>							
	:					i									1						
	+		+			•				<del>.</del>	<u> </u>	• • • •		•					·		
										į				;							
	+		<del></del>		<del></del>					<del> </del>	<del></del>	• •			<del></del>						
										i	1	. !		i		:	,				
			•						<u> </u>			<del></del>		• • • • •		+		+		<b>-</b>	
i	İ			,	ı		:			!	•					1					
Ilement (X)		ž x '			2 1	-	-	•,	<del></del>	No. OI	s. 1				Mean No	of Ha	we with	Temperatu	**		
tel. Hum.			4042	——	3649	200	82.0		<del></del>	775	-+	101		± 32 F	* 67 F		73 F	- 80 F	• 93 /		Teral
by Bulb			9774		5185	_	45.3			775		18		21.2		_+_		101.8	+	4	976
For Bulb	_		5226		2778		42.3			775				57.0			2.4	AMARS	+		
Dow Point			4145		0443	_	39.2			775				88.2	3/0	7	407		+		8761 8761

CLUPAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### **MEANS AND STANDARD DEVIATIONS**

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 c 870	GRA	AFENWOH!	RAAF	0 L			73-8	1						
STATION			STA	TION NAME						YEARS		_		
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC	ANNUAL
	MEAN	27.7	28.9	34.3	36.6	45.4	52.4	54.4	53.8	48.9	41.2	34.7	29.6	40.9
T-02	S. D.	9.451	7.749	7.528	6.635	7.427	6.671	5.569	5.992	6.833	6.823	7.631	9.918	12.108
-	TOTAL OBS	794	762	837	794	322	805	830	837.	804	834	795	715	9623
•	MEAN	27.3	27.6	32.7	34.5	42.7	49.7	51.8	51.0	47.0	40.1	34.0	28.9	39.
3-05	\$. D.	9.645	8.526	8.165	6.851	7.482	6.799	5.625	6.328	7.068	6.964	7.954	10.113	11.801
	TOTAL OBS	804	761	837	793	820	808	631	837	8 C.4	837	. 79 <u>3</u>	756	968)
-	MEAN	27.0	27.4	33.3	36.7	47.7	54.9	56.1	54.4	48.4	47.5	34.1	28.8	40.5
6-08	S. D.	9.776	8.836	8.197	6.484	7.548	7.187	5.968	6.518	7.040	6.874	7.818	10.393	13.16
	TOTAL OBS		761						836				783	
	MEAN	28.7	31.1	39.4	45.2	56.7	63.1	64.1	64.7	57.3	 45•6	36.5	30.4	47.1
05-11	S. D.	5.546	6.580	8.143	7.989	8.342	8.655	7.858	6.869	7.146	6.939	7.J28	9.105	15.340
	TOTAL OBS	813	761	837	801	834	808	831	837	802	836	. 797	786	974
	MEAN	31.8	35.9	44.6	49.9	60.6	66.5	67.7	69.8	63.1	50.5	39.8	33.3	51.0
12-14	\$. D.	6.597	5.943	9.047									7.646	15.782
	TOTAL OBS	813	762							804				
	MEAN	31.8	36.7	45.7	50.9	61.3	67.5	68.6	70.5	63.8	50.7	39.4	32.8	51.9
15-17	S. D.	6.467											7.545	
	TOTAL OBS	819	762						835					
·· •	MEAN	29.4	32.7	41.1	46.7	57.5	64.4	65.8	65.8	57.9	45.3	36.3	30.7	48.0
18-20	S. D.	7.992	5.692	8.364	8.601	9.083	8.847	8.431	7.914	7.754	6.817	6.849	8.519	15.596
	TOTAL OBS	812	762						836					
•	MEAN	28.4	30.0	36.7	40.2	49.9	56.9	54.2	57.7	51.6	42.1	35.0	29.8	43.
71-23	S D	8.988	6.559	7.314	6.926	7.785	7.126	6.186	6.196	6.691	6.575	7.194	9.517	13.113
	TOTAL OBS	839	762		792	823	608	826	836	799	837	797.	720.	9441
AU.	MEAN	29.0	31.3		42.6				61.0					45.
HOURS	S. D.	8.770	7.861	9.541	9.962	10.765	10.339	9.551	10.026	9.727	6.141	7.631	9.259	14.970
	TOTAL OBS	6471	6093	6695	6367	6613	6467	6640	6690	6421	6691	6371	6079	77591

USAF ETAC FORM 0-89-5 (OLT)

♥.

SLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **MEANS AND STANDARD DEVIATIONS**

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

176 <b>87</b> 0	GRA	FENWOH	RAAF	DL			73-8	1						
STATION			STA	TION NAME			-			YEARS				
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост	NOV	DEC	ANNUAL
	MEAN	27.3	28.3	33.3	35.3	43.5	50.5	52.5	52.2	47.5	40.4	34.0	29.1	39.8
50±0 <b>2</b>	\$. D	9.214	7.611	7.186	6.119	6.854	6.057	4.933	5.867	6.499	6.497	7.327	9.625	11.530
··	TOTAL OBS	794	762	837	794	822	805	830	837	804	834	794	714_	0627
	MEAN	26.6	27.2	32.D	33 5	41.4	48.5	50.6	50.0	46.1	39.4	33.3	28.5	38.3
° 3 <b>−</b> 05°	S. D.	9.420	8.409	7.888	6.451	7.110	6.458	5.340	6.238	6.908	6.697	7.670	9.914	11.438
	TOTAL OBS	804	760	837	793	820	808	831	837	804	637	792	753	9676
	MEAN	26.6	27.1	32.5	36.3	85.D	52.1	53.7	52.6	A7. T	 19.7		28.4	39.6
6-18	S. D.								6.035					12.269
	TOTAL OBS			-1					836				-	
-		<u> </u>	700	<del> </del>	- 12H	<u>V49</u> ,	997				. 929		155"	7132
	MEAN	28.1	30.1	37.0	40.8	49.8	55.7	57.5	58.4	53.2	43.5	35.4	29.8	43.4
29-11	S. D.	8.311	6.380	7.197	6.052	5.958	5.599	4.655	4.990	5.642	6.014	6.648	8.893	12.623
<del></del>	TOTAL OBS	813	760	837	851	834	808	831	836	802	836	797.	786.	9741
	MEAN	30.7	33.6	80.2	43.0	51.2	56.6	58.4	60.1	55.7	86.8	37.8	32.2	45.7
12-14	\$. D.										-		7.362	11.927
	TOTAL OBS	813							836					
•			<del></del>					<u>.</u> •					-	- 1
	MEAN								60.3					
15-17	S. D.												7.383	
	TOTAL OBS	214	762	837	797	828		. 431,	835	804.	837.	795.	776	9726
	MEAN	28.8	31.4	38.0	41.6	50.2	56.1	58.0	58.7	53.5	43.4	35.3	30.1	44.2
18-20	\$. D.	7.829	5.441	7.068	6.164	6.079	5.309	4.548	5.198	5.959	6.260	6.552	8.356	12.442
	TOTAL OBS	812	762			823			836					
· · · · · · · · ·	MEAN	27.9	29.3	35.1		**							29.2	
71-23	_								54.8					
1-23	TOTAL OBS	809											9.277	
	TOTAL OBS	007	762	837	792	823	808	-25	836	799	836	794	720_	9644
	MEAN	28.4	30.2	36.1	38.8	47.4	53.7	55.4	55.9	51.2	42.5	35.1	29.9	42.3
ALL HOURS	\$. D.	8.450	7.274	7.999					6.690					12.327
HOURS	TOTAL OBS	6471	6090						6689					77576

USAF ETAC 100 0-89-5 (OL 1)

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

#### **MEANS AND STANDARD DEVIATIONS**

DEW-POINT TEMPERATURES DEG F FROM HOURLY OSSERVATIONS

STATION STATION NAME YEARS

IRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC	ANNUAL
	MEAN	26.4	27.1	31.6	33.3		48.9	51.0	50.8	46.8	39.4	32.0	28.0	38.4
::5 <b>-</b> 32	\$. D.	9.370	8.096	7.658	6.399	7.295	6.134	5.153	6.214	6.495	6.699	7.591	9.883	11.692
	TOTAL OBS	794	762	837	794	522	805	830	837	804	834	794	714	9627
	MEAN	25.7	26.1	30.5	11.0	30.0	47.4	49.5	40.0	45.4	38.5	32.2	27.6	37.2
~ 3= u5	S. D.			8.371										11.633
	TOTAL OBS	804	760	837	793	820	808		837	804	937	792	753	9676
	MEAN	25 4	26.0	31.2		42.3		51.8	·	46.4	38.8	32.3	27.5	70 7
116-11 <b>9</b>														38.2
6-115	TOTAL OBS			8.197										12.169
	TOTAL OBS	812	760	837	797	828	809	831	8 36	805	836	798	783	9732
•	MEAN	26.9	28.1	34.0	35.5	43.5	50.0	52.8	53.8	49.9	41.2	33.8	28.6	48.0
09-11	S. D.	8.620	7.210	7.624	6.715	7.007	5.883	5.028	5.818	5.831	t.229	7.006	9.31	11.823
	TOTAL OBS	813	760	837	801	834	808	831	836	802	836	797	786	9741
•	MEAN	28.7	30.0	34.8	35.1	42.6	49.1			49.9		35.1	30.2	40.4
12-14	S.D.			8.016										
7"-74	TOTAL OBS	813	762	837	801	834	810			804	837	797	780	9740
		-								•	•	•		
	MEAN	29.1	30.4	34.6	34.8	42.6	48.8	51.8	53-1	49.9	42.6	34.9	30.0	46.4
15-17	S. D.	6.788	6.228	8.078	6.624	7.143								11.002
	TOTAL OBS	814	762	837	797	828	810	831	835	804	837	795	776	9726
	MEAN	27.5	29.1	34.1	35.7	43.6	49.8	52.4	53.6	50.0	41.5	33.9	28.8	40.2
1 20	S. D.			7.570										11.577
	TOTAL OBS	812	762	836	792	823	809	829	836	798		793	763	9697
	MEAN	34.0	27.6	73.6										
71-23		26.8								48.2		33.0	28.3	39.3
1-23	"	9.170		7.350		-								11.804
•	TOTAL OBS	809	762	837	792	823	808	828	836	799	836	794	720_	9644
ALL	MEAN	27.1	28.1							48.3			28.6	39.2
HOURS	\$. D.			8.012					6.517	6.678	6.816	7.344	9.412	11.643
	TOTAL OBS	6471	6090	6695	6367	6612	6467	6640	6689	6420	6690	6360	6075	77576

USAF ETAC NIGH 0-89-5 (OL 1)

SELIBAL CLIMATOLOGY BRANCH SAFETAC AT- MEATHER SERVICE/MAC

## **RELATIVE HUMIDITY**

STATION CRAFENHOUR AAF OL STATION NAME

73-81

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY GR	EATER THAN		·-	MEAN	TOTAL
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	NO OF OBS
JAN	5-02	1:0.0	136.0	100.	170.0	157.3	99.7	99.5	9 7 • 1	77.5	74.7	
	03-05	100.0	130.0	100.0	100.0	110.0	99.8	99.6	93.4	79.3	~u.c	ب- ب
<del></del>	35-08	100.1	110.0	107.2	103.C	107.0	100.C	59.4	95.3	76.6	54.f	٠1~
	11	100.0	190.3	100.0	100.5	100.0	09.9	99.7	23.7	60.0	57.3	717
	17-14	1.0.7	170.0	177.7	160.0	99.9	79.4	95.5	A 1.7	47.7	::.1	-15
·	15-17	1.0.0	177.4	100.€	198.3	100.0	99.6	96.7	₹5•6	53.3	39.5	- 1 4
·	16-50	130.7	100.6	100.0	170.0	1.7.7	99.5	98.3	5 ] F	7∶.€	57.	/12
	. 1-23	100.0	100.0	167.7	107.0	100.0	99.9	99.4	9.5.	77.1	75.0	. · · · ·
											!	
10	TALS	1 17.7	190.3	105.0	100.0	100.0	99.7	98.4	97.5	o 6 . 6	97.9	٠ + 7 :

USAPETAC 708M 0-87-5 (OL A) SECRAL CLIMATOLOGY BRANCH COSFETAC AL REATHER SERVICE/MAC

### **RELATIVE HUMIDITY**

176570 STATION

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GRAFENHOUP AAF DL

73-81

F E 3

STATION NAME

PERIOD

ALLA REGISTRATE CONTACT AND MARKADAGE & D.M.

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENC	OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN	TOTAL
HONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90°√	RELATIVE	NO OF OBS
FES	JD-02	100.0	100.0	10/1-7	123.3	99.6	09.3	98.7	94.2	7 .5	73.7	74.1
	. 3-05	190.0	100.5	100.n	100.0	100.0	99.7	98.5	۶,,۶	77.6	94.4	76
	16-08	100.0	170.6	100.0	100.0	100.0	190.0	<b>96.8</b>	94.9	76.1	94.	75
	.9-11	100.0	100.0	103.0	103.3	99.3	97.9	93.3	51.3	57.1	35.1	~ 6
	12-14	100.0	100.0	100.0	99.1	95.9	87.4	74.4	50.5	26.0	R' • 4	7E !
	1=-17	100.0	ם-סרג	100.5	19.2	94.5	87.4	70.5	55.u	26.7	77.5	76 1
	12-20	100.0	100.5	107.5	103.5	99.9	98.3	89.1	75.7	42.9	07.1	767
	21-23	100.0	100.0	107.5	103.0	100.0	99.7	96.6	¢ .?	55.3	<b>4:.1</b>	74.2
								, <del>-</del>				
101	TALS	100.0	170.0	107.0	99.8	98.7	96.2	90.7	9 to 1	£3.9	38.5	6090

usts .

USAPETAC 708M 0-87-5 (OL A) SLEBAL CLIMATOLOGY BRANCH SAFETAC ATT MEATHER SERVICE/MAC

#### **RELATIVE HUMIDITY**

CRAFENWOHR AAF DL 73-E1 VER MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN	-		MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF OBS
GAM	00-02	100.0	190.0	130.0	100.0	100.0	98.9	96.5	84.8	55.7	30.7	4 7 7
	ú3-05	100.0	190.0	100.0	100.0	99.8	99.2	98.7	91.2	60.8	61.7	377
	36-38	100.0	100.0	102.0	100.C	100.0	100.C	98.3	9:•2	52.1	3-, -	637
	U9-11	130.0	100.0	107.0	99.9	98.4	92.8	77.1	5.7.2	37.9	32.n	-, 3.7
	12-14	100.0	100.0	99.9	97.1	e7.7	68.2	47.5	3 20 5	14.2	77.65	<b>537</b>
	15-17	1:5.0	100°E	90.4	93.8	80.6	62.0	41.5	25.2	11.4	67.5	£ 3.7
	18-20	100.0	100.5	99.7	99.3	95.6	86.1	66.4	4 5 . 3	17.9	77.5	4.76
	21-23	100.0	100.0	160.0	99.9	99.3	96.5	95.2	75.1	33.5	₹6.4	537
<del></del>			<del> </del>									
70	TALS	190.0	100.0	99.9	98.8	95.2	60.0	77.0	64.5	36.7	42.42	6655

USAPETAC POM 0-87-5 (OL A)

2101

GLOBAL CLIMATOLOGY BRANCH USAFETAC A14 WEATHER SERVICE/MAC

### **RELATIVE HUMIDITY**

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CPAFENHOUR AAF OL

73-81

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STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAC	ie frequenc	Y OF RELATIVE	HUMIDITY G	EATER THAN	_		MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO OF OBS
APD	JD=02	100.0	138.0	100.0	100.0	100.5	98.5	92.3	F •1	46.7	F8.1	794
	.)₹=05	100.0	170.0	100.5	100.0	100.0	99.2	94.7	P 6 . 5	59.3	91.7	793
	06 <b>~</b> 08	130.5	100.0	100.0	100.0	99.4	96.4	89.7	79.3	49.5	96.2	797
	39-11	130.0	100.0	99.6	94.6	84.8	68.3	51.7	34.7	ts.7	71.1	17ء
	12-14	100.0	99.8	95.0	82.8	62.5	43.6	29.6	1 3 - 1	P.4	5~.i.	9.03
	15-17	100.0	99.5	92.0	77.4	57.1	42.0	25.6	1 5 • 3	7.0	57.6	797
	18-20	100.0	99.9	98.5	93.2	81.7	63.8	44.1	2 % 3	17.3	50.4	707
	21-23	113.3	100.0	100.0	99.9	98.7	92.0	80.1	5 7 · F	29.8	82.1	793
101	TALS	100.0	99.9	98.1	93.5	85.5	75.2	63.5	5 .4	29.4	75.8	6367

USAFETAC PRO G-87-5 (OL A)

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LUGAL CLIMATOLOGY BRANCH CONSTRAC ALC MEATHER SERVICE/MAC

### **RELATIVE HUMIDITY**

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CPAFENHOHR AAF OL

73-81

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STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	GE FREQUENCY	OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF OBS.
~ A Y	3-02	176.0	100.5	100.0	120.0	99.3	95.7	90.9	74.0	47.3	46.9	<u> </u>
	01-05	100.0	170.3	100.5	150.0	99.R	93.8	93.0	84.5	24.4	)	
	16-08	100.0	100.0	193.0	29.9	97.5	89.5	€0.2	63.7	32.7	:2.3	a.'s
	c <b>- 11</b>	160.0	130.0	99.4	01.1	72.9	54.3	36.5	14.9	7.4	6.5.	a34
	12-14	1.0.0	1°6.J	93.0	73.5	52.3	33.3	22.7	11.0	3.9	54.6	674
	15-17	150.0	99.8	91.7	68.5	48.2	32.7	24.3	11.6	3.6	-7.7	5 P -
	19-20	100.0	100.0	97.4	56.1	70.2	51.3	37.4	2 . 7	7.9	62.7	
	.1-23	100.0	100.3	103.0	99.3	96.1	87.0	73.3	52	25.4	77.3	
<del></del>												
70	TALS	1.0.0	100.0	97.7	89.8	79.5	68.0	57.4	40.1	21.0	71.63	- 517

USAPETAC ROMM 0-87-5 (OL A)

7.00

TILLHAU CLIMATHLOCY FRANCH TIFLTAC AT WEATHER SERVICEZMAC

### RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
	SPAFENWOHP RAF 11	77=21	J: .

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENC	Y OF RELATIVE	HUMIDITY G	EATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80°•	90%	RELATIVE HUMIDITY	NO OF OBS
الم الم	10-02	100.0	100.0	107.0	198.0	100.0	93.1	ş <b>u</b> .5		41.2	4	
	]3-n5	1 15.0	100.5	180.0	100.0	100.7	69.9	39.	; ' <b>,</b> ;	5.4	. c	·
	5-08	177.0	190.0	130.0	15.0.3	99.4	04.4	85.9	F	70.1		
	_>-11	10.3	100.0	97.4	93.3	77.2	55.9	35.7	10.4		1 A4.7	· · · · · · · · · · · · · · · · · · ·
	1.1-14	100.0	99.5	94.9	77.5	58.2	37.9	22.	7	4	: 4.7	3.2
	15-17	100.0	99.1	01.7	75.4	56.5	34.4	10.4	., ,	7	ē.,.	(1)
	19-21	100.0	99.9	95.6	P6.7	71.7	54.1	35.1		د و و		
	11-23	1 7.0	100.0	99.6	00.9	95.7	P3.7	17.7	° t.	2.		
											1	
10	TALS	100.0	99.3	97.5	01.7	87.4	74	59.1	4 .	2.00	7. • 7	5 167

USAFETAC FORM 0-87-5 (OL A)

THE REAL PROPERTY.

LEMAL CLIMATOLOGY BRANCH LEMARTAC ALL WEATHER SERVICE/MAC

### **RELATIVE HUMIDITY**

STATION	STATION NAME	PERIOD	MONTH
. • • 7 •	GRAFENKOHR AAF OL	73-81	ن ′د

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	T		PERCENTAC	SE FREQUENC	Y OF RELATIVE	HUMIDITY G	EATER THAN			MEAN	TOTAL
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF OBS
JUL	19-22	1:2.0	100.0	100.0	09.7	99.5	9,69	47.°	3.4	47.3	::	. 7
	`7 <b>-</b> 05	100.0	່ <u>1</u> ∩ວ•ຍ	100.0	100.0	150.0	99.8	97.5	9 17	67.8	92.1	, 7 ]
	36 <b>−</b> €8	100.0	1∩0•3	99.9	79.5	95.4	96.Ü	89.3	70.6	47.3	36	>71
	J= 11	100.7	199.0	99.4	94.1	65.7	68.1	49.3	24.2	٥.7	5 <b>°.</b> '	
	12-14	130.0	79.2	94.7	я4.9	66.8	45.8	30.9	17.6	6.2	59.9	6.70
	15-17	100.0	98.4	94.1	P2.2	60.4	41.4	26.4	1 ( • 2	7.2	53.1	a 7 1
	1 ē = 2"	100.0	99.2	95.5	¢0.2	77.0	58∙€	39.6	24.1	5.7	65.i	673
	21-23	100.0	103.5	99.5	97.7	96.6	95.9	82.5	f 4.0 42	27.1	72.1	÷ 7 P
						<u> </u>						
τo	TALS	1 10.0	99.7	97.3	c 3 • 6	85.5	74.6	63.3	40.0	2 . 3	75.3	204.

USAFETAC POM 0-87-5 (OL A)

CLTPAL CLIMATOLOGY BRANCH UNRESTAC ALL AEATHER SERVICE/MAC

## RELATIVE HUMIDITY

STATION

GRAFÊNWOHR AAF DL

STATION NAME

73-81

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## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIVE	E HUMIDITY G	EATER THAN	-		MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF OBS
AUS	-0 <b>-</b> 02	100.9	170.0	<b>1</b> 00.0	100.0	100.0	99.6	97.4	5 7.4	49.8	89.9	و <del>ا</del> ا
	07-05	100.3	177.0	100.0	100.0	100.0	100.0	99.5	99.1	62.5	92.9	×27
	80-80	190.0	100.0	100.0	100.0	99.9	98.9	95.2	€ 1• b	43.1	o € • ₽	r 76
	. 9-11	100.0	100.5	99.9	98.7	87.0	67.7	49.1	25.6	8.1	40.4	φ <b>₹</b> 5
	12-14	100.0	170.0	98.3	86.1	63.2	40.0	23.4	11.7	?.3	57.9	835
	15-17	130.0	99.9	95.2	83.5	57.0	38.7	24.9	15.7	4.7	57.0	335
	18-20	100.0	100.5	98.4	97.8	77.9	62.6	48.3	29.1	5.7	67.5	876
	21-23	100.0	100.2	100.0	100.0	98.4	94.6	84.9	6 5 . 3	29.5	87.7	836
TO	TALS	מיסיו	100.0	99.0	94.5	55.4	75.3	65.4	51.5	25.3	75.9	6520

USAFETAC 0-87-5 (OL A)

SEPAL CLIMATOLOGY SRANCH CAFETAC AI WEATHER SERVICE/MAC

#### **RELATIVE HUMIDITY**

STATION STATION STATION NAME

73-81

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	GE FREQUENC	Y OF RELATIV	E HUMIDITY GI	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF OBS
SEP	50-02	100.0	100.0	100.5	100.0	100.0	100.0	99.2	31.5	67.7	97.4	
	. 3-05	140.0	100.0	100.0	100.0	100.5	100.0	59.0	95.3	7 .3	54.1	٠
	36-08	190.0	100.6	105.0	100.0	139.0	99.9	99.5	91.8	51.9	3-0-	
	39-11	100.0	170.0	100.0	09.8	97.0	86.3	71.4	44.5	10.1	-7.5	57?
	12-14	100.0	100.0	99.5	95.4	87.2	54.6	33.1	15.7	4.5	67.4	§ ^ 4
	15-17	100.0	100.5	98.€	92.8	77.7	49.6	30.5	1 7	4.	(2.7	4
	18-2.	100.0	100.5	99.6	98.4	94.9	85.1	70.7	14 4 E	13.7	76.5	794
	21-23	1 10.0	100.0	100.0	100.0	130.7	98.7	94.7	9 1 • 5	47.7	57.4	730
											1	
TO	TALS	100.0	100.0	99.6	08.3	93.7	F4.3	75.7	6.3	34.à	F1.1	.,42

USAPETAC FORM 0-87-5 (OL A)

715

,

THE CLIMATOLOGY SMANCH TAC AT SERVICESMAC

### **RELATIVE HUMIDITY**

S.71 GRAFENMOHR AAF OL

77-8%

STATION

STATION NAME

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAG	E FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN	TOTAL
MONTH	(L.\$.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90°-	RELATIVE	NO OF OBS
# C T	cn=02	10n.a	100.0	107.7	103.0	130.5	99.2	97.6	97.4	69.7	97.4	ê₹4
	33-05	1 Ja.n	100.0	100.3	100.0	100.7	99.6	99.1	94.5	72.9	04.1	337
	36 <b>-</b> 68	100.0	100.0	100.0	110.0	100.0	99.8	98.3	94.4	70.3	97.5	536
	\$-11	100.0	100.0	199.9	100.0	30.6	94.6	85.6	6 ₫. 9	39.7	95.5	a ₹ 5
	12-14	1.0.0	193.3	99.8	98.7	93.4	81.6	63.1	37.9	16.5	75.3	537
	15-17	175.5	130.5	99.6	98.9	94.	81.6	66.1	3 50 1	15.5	75.5	o • 7
	16-25	190.5	100.2	100.0	79.0	99.3	97.1	91.5	75.0	47.5	27.0	≥37
	z1-23	100.0	100.0	100.0	100.0	4.00	98.9	95.5	85.2	6 6	9;.7	3 7 6
				ļ								
101	TALS	1.75.0	100.5	99.9	99.7	98.7	94.1	97.5	74.1	47.8	27.1	4601

USAPETAC NI 64 0-87-5 (OL A)

BLUFAL CLIMATOLOGY PRANCH USAFÉTAC AL- REATHFR SERVICE/MAC

#### **RELATIVE HUMIDITY**

1 - 6 E 7 A	GRAFENWOHR AAF OL	73-81	NOV
STATION	STATION NAME	PERIOD	MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENC	Y OF RELATIVE	HUMIDITY G	EATER THAN			MEAN RELATIVE	TOTAL NO OF
HTHOM	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	ORS
NOV	.0-02	100.0	100.0	100.0	100.0	107.7	99.5	97.5	31.3	69.7	97.7	764
	.3-05	100.0	1.70.3	100.7	100.0	128.5	99.9	97.3	0.2.7	69.8	27.4	79;
	. 6-08	1-7.0	100.3	100.0	173.3	100.0	99.6	97.7	9 1.0	77.7	07.4	703
	17-11	100.0	110.0	100.0	100.0	99.9	96.9	95.5	9.7.1	57.1	90.2	75-
	1>-14	100.0	100.0	100.0	99.6	98.5	95.1	84.7	61.4	35.0	84.2	797
	117	100.0	100.0	99.9	09.6	78.9	95.3	66.0	65.3	37.2	P# . 5	70:
	15-25	100.0	100.0	100.1	100.0	99.4	99.3	96.7	9 d . 7	57.5	91	793
	. 1-23	1 3.7	170.0	160.0	173.6	100.0	97.6	97.7	91.6	64.5	92.6	794
					-				<del> </del>			
					-							
	<u> </u>	<del> </del>	<del> </del>	<del> </del>								
10	TALS	1:10.0	100.0	100.0	09.9	99.6	98.4	94.1	8.3.0	57.0	9".4	(35)

USAPETAC MAN D-87-5 (OL A)

CE SAL CLIMATOLOGY BRANCH INSENTAC ALS REATHER SERVICEZMAC

#### RELATIVE HUMIDITY

7 637. SRAFERWOHR AAF OL STATION

STATION NAME

73-61

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	<del></del>	,	PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN - RELATIVE	TOTAL NO OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90°•	HUMIDITY	OLS
Jr. C	20-02	100.0	170.0	100.7	100.0	100.0	99.4	97.5	>4.1	77.7	93.7	. 71+
	03-03	1-7.0	170.0	103.7	100.G	100.5	100.0	98.9	9 0. 7	73.7	20,0	75 3
	75 <b>-</b> 03	100.0	100.0	100.0	107.0	100.0	100.0	99.6	9:07	73.8	94.9	797
	**-11	100.0	100.0	100.0	106.3	133.7	99.5	98.^	92.4	75.4	5.50	735
	12-14	1 10.0	100.0	100.5	100.0	100.7	98.5	92.9	74.5	55.9	FF.7	73
	15-17	170.0	100.0	100.7	100.0	99.9	98.7	94.5	5 m #	57.5	89.7	776
	18-20	100.0	100.4	100.0	103.0	170.0	99.3	97.9	• 3• 1	66.3	35.6	75
	71-23	190.0	100.0	137.3	193.0	100.5	99.6	98.?	<b>♀+•7</b>	50.4	92.3	7?
to	)TALS	1.0.0	100.0	100.0	100.0	100.0	99.4	97.2	91.5	67.7	92.6	٤ 7 :

USAPETAC POM 0-87-5 (OL A)

LLIGAL CLIMATOLOGY ROANCH YOSTAC AY LEATHER SERVICEZMAC

### RELATIVE HUMIDITY

STATION STATION STATION

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS		, _, ., ., ., ., ., ., ., ., ., ., ., ., .,	PERCENTAC	E FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF OBS
، ۵۰ ان	ALL	170.0	100.0	160.0	100.a	15.0	29.7	92.4	೧೭•६	04.5	70.	
r g g		120.0	110.0	100.7	99.8	98.7	95.2	97.7	41.1		54.5	
11.5.		103.3	173.7	99.9	96.8	95.0	28.0	77.3	6.2•	35.7	43.2	1657
APR		100.0	29.9	99.1	93.5	65.5	75.2	63.5	E ., 4	20.4	7	1267
¥ A		100.0	100.0	97.7	89.8	79.5	68.	57.4	4 . • 1	21.9	71.4	• 61
JUN		100.0	99.0	97.6	91.7	82.4	73.4	59.1	u >• 3	25.0	77.7	5467
JUL		1 '0.0	99.7	97.8	03.6	85.5	74.6	63.8	43.9	25.9	75.2	104
AU3		1.00.0	170.0	99.7	94.5	85.4	75.3	65.4	51.6	26.3	79.5	4655
s€P		130.0	100.0	99.6	98.3	93.7	94.3	75.	6 .2	34.3	A1.1	. 47
JCT		100.0	100.0	99.9	99.7	98.3	94.1	£7.^	7 4 • 1	47.8	57.1	. 65 Y
NOV		170.0	120.0	100.3	59.9	99.6	98.4	94.1	6 5.0	57.7	95.4	5357
DEC		1.00.0	100.0	100.0	100.0	100.0	99.4	97.3	91.5	67.7	97.5	6375
101	TALS	130.0	100.0	99.1	96.6	97.1	85.3	77.3	6 % 3	4(.9	57.2	77573

700M 0-87-5 (OL A)

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART F

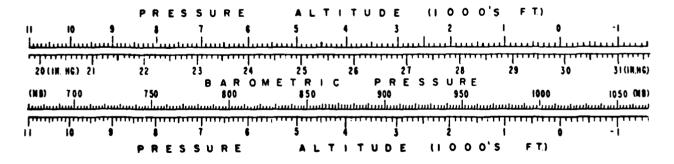
#### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945. Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65. METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars. BATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



ULCEAL CLIMATOLOGY BRANCH USAFÉTAC Ala Weather Service/Mac

## **MEANS AND STANDARD DEVIATIONS**

STATION PRESSURE IN INCHES HE FROM HOURLY OBSERVATIONS

1 (870	ن. R	RAFENHOH	RAAF	θL			73-8	1						
STATION			51	ATION NAME						YEAR5				
HRS. (LST)		JAN	FEB	MAR.	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNU
	MEAN	28.566	28.531	28.489	28.496	28.531	28.569	28.570	28.612	28.629	28.561	28.599	28.552	28.5
	6.0	774	***			100								-

HRS. ¡L S T i		JAN	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	28.5662	8.5312	8 . 4892	8.4962	8.5312	8.5692	8.5702	8.6122	8 . 6292	8.5612	8.5992	8.552	28.555
1.1	S D	• 374	.326	.247	.195	.189	.151	.131	.138	.166	• 256	. 273	. 354	.247
	TOTAL OBS	266	254	279	265	274	269	277	279	268	278	265	238	3212
	MEAN	28.5592	8.5212	8.4782	8.4852	8.5242	3.5622	8.5592	8.6042	8.6172	8.5502	28.5922	8.491	28.545
4	S. D	.306	.327	.247	.196	. 192	.151	.133	.141	.173	.258	.270	.362	. 243
	TOTAL OBS	269	254	279	265	274	273	277	279	268	279	265	258	3237
	MEAN	28.5572	8.5202	8.4842	8.4942	8.5392	8.5732	8.5682	8.6132	8.6252	8.5542	8.5952	8.494	28.552
: 7	S D	. 306	.332	. 247	.199	.196	.152	.136	.142	.175	.261	. 269	. 363	. 245
	TOTAL OBS	271	254	279	265	275	270	277	277	268	279	266	261	3244
	. MEAN	28.5742	8.5372	8.4972	8.4992	8.5382	8.5772	8.5712	8 . 6 2 3 2	8.6382	8.5692	28.6142	8.579	28.562
1.7	S. D.	. 306	.334	.251	.199	.194	.151	.136	.140	.176	.265	.271	.359	.246
	TOTAL 085		254						279				263	
	MEAN	28.5622	8.5272	8.4852	A.4842	8.5232	A - 56 47	4.5592	8.6032	8.6212	PA.5512	A . 5982	R.494	28.548
13	S. D			. 247			.148			.172			357	.243
. ,	TOTAL OBS								279					
	MEAN	28.5542	A.5152	8. 465		8.5052	8.5492	. S. R. Z	8.58 TZ	8.6032	8.5392	8.5892	A.490	28.534
16	S. D.				.193					.167			356	240
	TOTAL OBS		254						279			266	259	
	MEAN	28.5632	8-5132	R. 4772	4.4737	8.5092	A . 50 82	4.5432	8.5902	8.6082	A. 5542	98.5982	8.574	28.582
19	S. D.								.133			272		.239
	TOTAL OBS			279			277			266			253	
	. MEAN	28.5672	A. 541	R. 4872	4.4952	8.5332	A . 5712	4.5442	8-6112	8-6262	8. 56 72	. 6002	A.514	28.557
7.2	S. D.		.323						.137					.239
	TOTAL OBS		254		264				278				235	3210
	MEAN	28.5632	A.5242	A . 4 A 32		4.5252	A . S & W.Z	8.5602	A . 60 S 2	8.6212	A. 5552	A . 508 2	8.500	28.549
ALL	5. D.	.374	.327	. 245	.196							.271	357	.242
HOURS	TOTAL OBS	2160	2032				2158				2231		2026	25875
		2 2 9 0	2032	6636	4146	6600	4134	4644	(23)	6 4 3 9	4634	6165	0	27013

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